## Tabulations of Ambient Ozone Data Obtained by GASP Airliners; March 1975 to July 1979

William H. Jasperson Control Data Corporation Minneapolis, Minnesota

and

James D. Holdeman Lewis Research Center Cleveland, Ohio

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### PREFACE

This report contains part of the data, either obtained by the Global Air Sampling Program (GASP) or analyzed from existing ozonesonde measurements since the publication of Federal Aviation Administration (FAA) Report Number FAA-EQ-78-03, "Guidelines for Flight Planning During Periods of High Ozone Occurrence," in 1978.

The FAA has published Advisory Circular 120-38, "Transport Category Airplanes Cabin Ozone Concentrations" dated October 10, 1980. (Copies of this advisory circular may be obtained free of charge from the United States Department of Transportation, Publications Section M-443.1, Washington, D.C. 20590.) In this advisory circular, examples are presented for acceptable (but not the only) means for an air carrier to demonstrate compliance with the maximum permissible cabin ozone concentrations established by Section 121.578 of the Federal Aviation Regulations (FAR). In paragraph 6 and Appendix 2 of the advisory circular, it is stated that any ozone data set used to show compliance must have, as a minium, a resolution on a monthly basis of 2,000 feet in altitude and 5 degrees in latitude.

The data in this report have not been statistically compared with those published in the FAA Report Number FAA-EQ-78-03 to determine whether they are comparable. Hence, use of the data tabulated in this report, to show compliance with Section 121.578 of the FAR, is not acceptable.

Since the data sets have been compiled, however, the FAA would like to disseminate them at this time as information to the scientific community and other interested groups.

John E. Wesler
Director of Environment and Energy
Federal Aviation Administration

#### TABULATIONS OF AMBIENT OZONE DATA OBTAINED BY GASP AIRLINERS:

MARCH 1975 TO JULY 1979

William H. Jasperson Control Data Corporation Minneapolis, Minnesota

and

James D. Holdeman
National Aeronautics and Space Administration
Lewis Research Center
Cleveland, Ohio

#### SUMMARY

Tabulations are given of GASP ambient ozone mean, standard deviation, median, 84th percentile, and 98th percentile values, by month, flight level, and geographical region. These data are tabulated to conform to the temporal and spatial resolution required by FAA Advisory Circular 120-38 (monthly by 2000 ft in altitude by 5° in latitude) for climatological data used to show compliance with cabin ozone regulations. In addition seasonal x 10° latitude tabulations are included which are directly comparable to and supersede the interim GASP ambient ozone tabulations given in appendix B of FAA-EE-80-43. Selected probability variations are highlighted to illustrate the spatial and temporal variability of ambient ozone and to compare results from the coarse and fine grid analyses.

#### INTRODUCTION

From March 1975 to July 1979, the NASA Global Atmospheric Sampling Program (GASP) obtained atmospheric trace-constituents data in the upper troposphere and lower stratosphere using fully automated sampling systems on several Boeing 747 airplanes in routine commercial service (ref. 1). GASP systems were operated on a United Airlines B747, two Pan American World Airways B747's, and a Qantas Airways of Australia B747. Data from the United airliner were over the contiguous United States and between the U.S. West Coast and Hawaii. Global coverage was provided by the Pan American and Qantas airliners on routes between U.S.A. and Europe, U.S.A. and South America, U.S.A. and Japan, U.S.A. and Australia, Australia and Africa, and Australia and Europe. The complete GASP dataset consists of 667 385 trace constituent and/or meteorological observations made on 6945 flights of these airliners between March 11, 1975, and July 12, 1979.

In response to government and public concern because of reports attributing illness of some people on long duration flights to excessive ozone exposure, measurements of ozone concentration in the cabins of two GASP-equipped B747's were made from March 1977 to June 1979. Results from these measurements are reported in references 2 to 7.

In addition to the simultaneous cabin and ambient ozone measurements, GASP acquired over 160 000 ambient ozone observations around the world at airliner cruise altitudes from March 1975 to June 1979. These have added considerably to the climatological data base over what was previously available from ozonesondes, and have provided data in geographical regions where none were previously extant.

Early GASP ambient ozone tabulations and ozonesonde ambient ozone tabulations were published in 1978 (ref. 8). Considerably expanded, but still interim

GASP ambient ozone tabulations were published in reference 9. This report includes all available GASP ambient ozone data, tabulated to conform to the temporal and spatial resolution specified in reference 10, for climatological data used to show compliance with cabin ozone regulations. In addition, tabulations are included for a coarser temporal and spatial grid; these data are directly comparable to and supercede the interim tables in appendix B of reference 9.

#### INSTRUMENTATION

Ozone was measured on all aircraft by commercially available ultraviolet absorption photometers modified and repackaged to operate in the airborne environment (ref. 11). Readings are continuous, updating every 20 seconds, with data recorded nominally eight times per hour. The instrument range is from 0.003 to 20 ppmv (parts per million by volume). Operational procedures, set up to insure the integrity of the data, included in-flight instrument health checks, instrument calibration techniques, measurement of ozone loss in the GASP air sample inlet line and pressurization system and periodic instrument maintenance.

All flight instruments were calibrated before installation in the aircraft and periodically thereafter using a secondary transfer standard. This standard is a laboratory-type ultraviolet (UV) photometer which was initially calibrated using a 1 percent neutral buffered potassium iodide (KI) method. Later in the GASP program, the standard was calibrated at the NASA Jet Propulsion Laboratory (JPL). This calibration is traceable to the JPL 5-meter UV photometer described in reference 12. The KI calibration was found to be 9 percent higher than the UV photometer calibration. Thus, all published GASP ozone data are 9 percent higher than the JPL calibrations. This is a systematic difference and the tabulated data can be easily corrected if the KI method is determined to be incorrect and another method, such as the UV photometer, is adopted as the standard.

The random error of the GASP ozone measuring system was found to be less than 4 percent of reading or 0.003 ppmv, whichever is greater. A complete description of the ozone measurement system is given in reference 11.

#### PRESENTATION OF DATA

### Availability

All GASP data are available to the public on magnetic computer tape from the National Climatic Center, Federal Building, Asheville, North Carolina 28801. The data tabulated here are from GASP tapes VL0001 to VL0031. These tapes include all data obtained by GASP-equipped aircraft (March 11, 1975, to July 12, 1979). Flight routes and dates, instrumentation, data processing procedures, data tape specifications, and selected analysis are reported in references 13 to 24.

### Explanation of Data Tables

In this report ozone amounts are expressed as a volumetric mixing ratio, parts per million by volume (ppmv). Since ozone levels in the literature may be expressed in any of several commonly used units, the inter-relationship among these is given in appendix A (p. 103). Note that several of these relations require that temperature and/or pressure be known or assumed and that the conversion of averaged values will be an approximation because of the non-linearity of the conversion.

The GASP data are summarized by month for 2000-ft altitude increments (from Fl290 to Fl430) in geographical regions of 5° latitude by 45° longitude in tables I to XII (pp. 4 to 99). The geographical grid used is shown in figure 1 (p. 100). This grid was selected so that regions, or combinations of adjacent regions, coincide with major flight routes as nearly as possible (e.g., contiguous States =  $27.5^{\circ}$  to  $47.5^{\circ}$  N,  $75^{\circ}$  to  $120^{\circ}$  W; and U.S.A. to Europe =  $37.5^{\circ}$  to  $57.5^{\circ}$  N,  $15^{\circ}$  E to  $75^{\circ}$  W). For each region the tabulation includes mean, standard deviation, median (50th percentile), 84th percentile, and 98th percentile ozone amounts, in addition to the number of observations. For applications in which a coarser spatial and temporal grid is acceptable, seasonal x  $10^{\circ}$  latitude tabulations are provided in appendix B (p. 104). Note that, because the number of observations in the tabulated regions is greater here than in tables I to XII, the statistical confidence level is greater in most intervals.

### Selected Graphical Presentations

It is well known that ozone levels increase with latitude and altitude, that they are maximum in the spring, and that the probability of encountering high ozone levels follows the same trends (e.g., refs. 2, 6, and 9). These variations are quantified in the tables herein, with selected empirical probability variations highlighted in figures 2 to 5 (pp. 101 and 102). These figures are examples of the types of curves that can readily be plotted from, and that might be appropriate in specific analyses of, the tabulated data.

In figure 2 the variation of the mean ozone mixing ratio with latitude is shown for low, medium, and high cruise altitudes in the spring (part (a)), and for each spring month at flight level 370 (part (b)). The seasonal variation in mean ambient ozone near 45°N is shown in figure 3 for flight levels 370 and 410.

In figure 4 four-point cumulative frequency distributions (cfd's) for the spring have been plotted from the tabulated data for Northern Hemisphere latitudes at flight level 370 (part (a)) and for flight levels 290 to 430 at 40° to 50° N latitude (part (b)). These curves show the fraction of observations (on the ordinate) in which the ozone level exceeded any given ozone level (on the abscissa). For example, at flight level 370 and 40° to 50° N latitude, the probability of encountering ambient ozone greater than 0.3 ppmv would be about 37 percent.

Figure 5 shows the zonal latitude-flight level cross section of the 84th percentile ozone values for spring. The constant mixing ratio contours define regions where the probability is greater than 16 percent that the ozone will exceed the contour value on any independent observation; that is, the probability of encountering ozone above, say 0.2 ppmv, is greater than 16 percent in all regions where the 84th percentile value is greater than 0.2 ppmv. In figure 6, the same data used in figure 5 are crossplotted to show the vertical distributions of the 84th percentile values at selected latitudes.

#### CONCLUDING REMARKS

Tabulations are given of GASP ambient ozone mean, standard deviation, median, 84th percentile, and 98th percentile values, by month, flight level, and geographical region. These data are tabulated to conform to the temporal and spatial resolution specified in FAA-AC-120-38, and supersede those in appendix B of FAA-EQ-78-03 (ref. 8) and appendix B of FAA-EE-80-45 (ref. 9). Selected probability variations are shown herein to highlight the spatial and temporal variability of ambient ozone and to illustrate and compare the results from the coarse and fine grid analyses.

TABLE I. - GASP AMBIENT OZONE DATA BY LATITUDE FOR JANUARY

(a) Flight level 290

JANUARY MEAN ST. DEV. CODE: FL 290 84% 98% MEAN LAT 70N 70N 65 65 60 .049 6 .099 .171 . 171 55 . 05**6** 21 50 .084 .039 .071 .108 . 093 .108 .058 .5 .072 .177 .179 .042 . 191 .016 3 .067 .071 45 026 .024 40 .154 .099 .154 .221 .038 .019 .035 .050 . 249 35 . 087 . 041 30 .048 .001 .048 .049 .032 .010 9 .037 .040 .043 25 .011 9 .059 .080 .052 .034 11 .038 .083 .123 .026 20 .019 11 .025 .007 20 .024 .032 .039 15 .061 . 073 .029 .002 2 .042 .011 10 .007 . 036 .007 . 036 5 . 032 .026 .005 .026 .029 . 031 0 .029 .007 . 044 5 .003 . 043 . 043 10 .010 .005 2 .010 .013 .014 .058 15 15 20 .042 .003 .043 .045 . 046 . 060 25 . 039 .010 . 056 .011 12 056 30 .042 .013 .056 35 . 056 35 40 45S 45S 15E 60E 105E 150E 165W 75W 120W LONGITUDE

4

TABLE I. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR JANUARY

(b) Flight level 310

																									MEA	4N	
4			•																								
٠																											
													10-10-1-1														
																						081 062	. 056 . 140	. 190	.081 .062	. 056 . 140	22 190
													. 145 . 167	085 240	11 276							071 039	. 071 . 158	26 . 242	.093 .047	.082 .192	37 . <b>285</b>
i	. 127	.066	. 265										.073 .030	077 1 <b>39</b> .	18 249	.095 .069	. 067 . 149	. 28 . 287	. 073 . 038	.069 .175	24 210	075 033	. 086 . 105	. 322	084 054	075 159	. 290
	.086	.038	. 159										.071 .026	093 112 .	13 302	077	.063 .127	. 251	. 083 . 064	.064 .124	. 207				.079 .047	063 123	. 263
	.080 .079	.033 .122	31 137				. 068 . 055	035	19 .145				.040 .032	026 047 .	34 134	.064 .045	066 057	. 22 . 270							.062 .037	100	106 . 153
	.061 .052	035	39 156	039 040	.007	10 .050	. 042 . 016	.037	. 108				.032 .028	013 045 .	30 065	.041	005	, 046							.046 .040	.031 .073	101 127
-	. 086 . 075	032	17 . 156	060 054	.025	12	.019 .012	.013	, 040				033	010 037 .	13 056										.050 .040	035 074	58 146
				.043 .043	.011	31 .064	.018	.009 .026	. 037	. 052 . 050	012 061	. 18 . 077	.045 . .043 .	019 053	23 097	. 046		1							.042 .026	. 017 . 053	. 083
				046 046	.017	. 23 . 071	. 022	.005	.028				016	009 023 .	033	. 059		1							.034 .030	.020 .058	42 .071
										. 028 . 029	004	15 .033	.020 .019	006 027 .	6 029	.045 .045	.005 .048	. 049	. 040 . 040	.005 .044	. 048				.030	.009 .040	. 048
				039 042	.017 .060	. 064				.019	006	. 033													.025 .020	.014	. 42
										.014 .014	003	. 21 . 018													.014 .014	.003	.018
										.012	002 014	. 016													.012	.002	.016
										.020 .018	006 026	.032													.020 .018	.006	.032
							. 041 . 041	.005 .045	.048										.049 .048	.003 .052	. 053	,			.044 .046	006	.053
	. 011		1	. 055		1	. 100		1	.017	010 025	. 029							.031 .039	.013	.041				.031 .023	026 047	. 091
	.048	.024 .078	15 .093	070 070	.012	. 084				. 042		1													.055	.023	. 092
							. 064 . 065	.021	. 096	. 025 . 022	009	. 036									,				. 060 . 061	023	. 096
							. 132 . 081	. 09 <b>9</b> . <b>27</b> 5	. 288	. 036 . 031	010 043	. 052													.108 .076	.095 .257	16 . 287
																									ı <b>l</b>		

TABLE I. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR JANUARY

## (c) Flight level 330

CODE:	MEAN	ST. DEV.	N
İ	50%	84%	98%

JANUARY FL 330

																									ME.	AN		LAT
70N																												70N
<b>6</b> 5																												65
<b>6</b> 0												,= 10							202 304	.098	25 422	.163 .163		20 . 241	. 229 . 199		45 404	60
55										. 302 . 283	.081 .384	41 452	. 243 . 239	.085 .317	25 366				192 215	.110 .287	. 417	098 079	. 063 . 164	. 253	.193		186 . 429	55
50										. 298 . 318	. 056 . 346	27 390	.092 .038	.091 .198	14 272	. 233 . 226	. 164 . 421	12 .517	. 126	.097 .226	. 341	.075 .032	. 086	. 290	.151		1 <b>39</b> . 395	50
45	.137 .099	.090 .212	. 278				. 268 . 188	.118	. 424	. 358 . 374	.091 .418	17 524	. 041 . 036	.010 .049	. 059	. 191 . 145	.112	. 380	.069 .041	.054 .154	. 181	.084 .030	.091	. 293	.137 .064	. 133	115 .428	45
40	.104 .068	. 077 . 185	. 291				. 198 . 227	. 096	21 .389	. 087 . 057	.061 .115	11 232	. 067 . 052	.062 .084	. 213	.144 ∴136	.119 .289	. 403	.043 .036	034	. 152				.117	. 230	. 370	40
35	. 101	.034	17 .163				.128 .096	, 094 . 191	26 . 341	.111 .088	.067 .181	. 17 . 255	. 065 . 045	.053 .124	. 210	.139 .105	.115 .259	17 . 389							.091 .059		164 . 315	35
30	. 096 . 076	.056	10 . 233	. 095 . 088	.029	. 13 <b>5</b>	. 051 . 053	.011	. 064				.050 .043	.028 .072	. 128	. 070 . 065	030	. 140							.059 .048		140 152	30
25	. 044		1	. 074 . 062	042 072	. 161	.028	.004	. 034				.042 .036	.023 .058	. 113	. 052 . 049	015	. 089							.046 .041	. 062	105 .114	25
20				. 065 . 056	.025	. 103	. 011		1	. 039	. 025 . 068	27 .085	.055 .041	.038	. 16 . 155	. 043	010	. 063							. 045 . 040		.118	20
15				. 057 . 060	.011	. 073										. 047 . 045	.012	. 068							. 050 . 049		. 072	15
10				. 074 . 069	.008	. 088										. 038	.018	. 054	. 029 . 029	.004	. 032				. 063 . 069	020	. 087	10
5				. 047 . 047	018	. 078										.013		1	.019 .018	.007	.028				. 037 . 034	.021 .058	. 077	5
0				. 027 . 029	.007	. 038													.018 .018	.003	.023				. 024 . 022	.007	. 037	0
5				.027	005	.035				.012	.002	.015													.019	.008	. 034	5
10				.032	.014	18 .061				.014	.005	28 025													.021 .016		. 052	
15				.042	.010	17 063		,		.020	.013	15 037													. 032 . 034	.016	. 060	15
20	.071	.017	.089	.042	003	10 .046	. 058 . 062	.014	. 077	. 031	.009	38 045					-		. 044		1				.041 .038	. 057	. 085	20
25	.067	.023	. 1 <b>3</b>	. 106	.020	. 129	. 056 . 059	.018	19 .096	.042 <sup>′</sup> .033	.021	. 093													.051 .038		.111	25
30	<del></del>			.061	020 083	. 096	.069	.029	. 123	.042	. 025	. 101													.051 .038		108	30
35							.091	.076	. 230	. 026	.017	20													.042 .027	.050 .075	. 178	35
40							. 041		1	.039	.011	25 063													.039 .036	011	. 063	4C
455																												455
•	5E		60	Œ		105	E		15	OE		1	65W		12	OW		7	5W		3	OW		1	5E			

TABLE I. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR JANUARY

(d) Flight level 350

CODE: MEAN ST. DEV. N SO% 84% 98% JANUARY FL 350

																							M£	AN	
											<u> </u>														
											360 369	.108 .456	35 577	.312 .304	.131	. 600							347 335	.117 .453	. 614
														.305 .310	.103 .371	. 583	.176	.075 .262	.312	.294 .313	.087 .350	. <b>3</b> 93	284 306	.108 .353	. 560
								.370 .367	.018	. 393	.348 .371	.054 .387	.411	. 273 . 259	. 142 . 423	. 537	.315 .319	.129 .444	65 . 531	.084 .042	.096 .137	28 353	.262 .159	.152 .422	170 536
								.332 .314	. 099	.511	. 395 . 387	.024	. 434	. 258 . 230	.169 .412	59 652	.175 .049	193	. 523	.183 .134	. 152 . 366	76 . 509	. 226 . 209	.168 .414	181 .530
230 .117 224 .340	74 . 450							.309 .441	.181 .474	15 .540	. 156 . 166	.097 .260	. 33 . 371	. 223 . 233	.112 .329	113 .468	. 087 . 048	.108 .158	. 480	.191 .125	.124	380	.187 .119	.132 .324	326 . 478
147 .098 111 .270	91 . 382				. 294	. 222 . 509	. 553	277 299	. 092	. 374	. 135 . 090	.116 .298	56 . 387	. 207 . 187	. 160 . 369	78 559	. 161 . 072	.185 .313	. 615	]			.175 .111	.144 .342	264 545
157 .124 097 .282	34 . 450				. 134 . 106	.097	. 14 . 378	.127 .084	.090	. 14 . 347	.120 .068	.128 .219	209 .464	.082 .052	.080	31 . 329							121 071	.122 .244	302 458
097 .090 059 .227	27 303	.038	.016 .054	. 23 . 073	. 050 . 050	.010	. 063	. 040 . 036	.013 .055	. 070	.092	.095 .171	260 . 404	. 047 . 047	.010	. 069							.083 .049	.063	359 . 343
066 .028 073 .081	10	.051	. 028 . 066	32 128	. 022		1	.034	.010	. 052	.054 .047	.031	276 .149	.037 .037	.009	. 051							.051 .042	.029 .074	380 . 1 <b>3</b> 4
079 .008 083 .085	. 085	. 054 . 055	. 025 . 080	. 41 . 092				.013	.002	. 014	.039 .037	.014	60 . 074	. 045 . 035	.023	28 .084							.046 .039	.021 .074	135 .088
		. 044 . 048	.016 .056	. 17 . 067							.035	.013	. 060	.038 .040	.008	. 049	.048	.007 .055	. 058				.039 .040	.013 .054	71 062
		.052 .050	.018 .062	. 18 . 092				.011	.001	. 012	.026 .024	.011	. 054	. 039 . 039	.006	.046	. 040 . 034	.009	. 052				036	.018	. 064
		. 060 . 067	. 021 . 078	16 .082		-		009	.004	, o15	. 032		1				.039 .038	.013 .052	10 058				.042 .031	.025 .074	. 081
		. 032 . 030	.015 .041	. 060	.035	016 047	10 .050	012	.005 .017	. 020							.029	.015	. 050				.026 .028	.016	. 054
		. 029 . 029	.004 .031	032	.031	013 042	. 055	011	.010 .018	. 033							.033 .034	.006	. 042				.025 .026	014 038	. 051
					.032	.021 .050	. 074	.013 .012	.005	. 024							.042	.013 .055	14 066				.027 .017	018 046	. 070
		. 042 . 042	.017 .053	. 057	.047	.016	15 .066	:017 :015	.007	. 032							. 050 . 046	008	. 064				.031 .022	019	. 0 <b>6</b> 5
		. 055 . 054	. 005 . 059	. 063	. 055	.017	. 099	.032 .028	023	. 104													.041	023	. 103
7,0		-			.068	.020	. 104	.037	.030	52 .114													. 046 . 041	030	. 114
					.076 .081	.023	. 115	.044 .037	022	. 56 . 095													.048 .039	.024 .078	. 106
					. 069	.039	. 150	.037	016	36 . 071													. 053 . 032	.034	76 125
								.028	.011	15 .051													.028 .027	.011	15 . 051

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TABLE I. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR JANUARY

(e) Flight level 370

CODE: MEAN ST. DEV. N
50% 84% 98%

JANUARY FL 370

								MEAN
١								
					.325 .171 11 .211 .524 .547			.325 .171 11 .211 .524 .547
				.263 .185 5 .143 .433 .572	.305 .134 66 .343 .436 .526	280 .089 12 .290 .365 .402		.299 .133 83 .319 .426 .537
				.422 .164 63 .396 .545 .862	.416 .131 31 .442 .556 .617	.430 .118 7 .422 .473 .658	.294 .142 17 .301 .159 36 .300 .385 .610 .335 .448 .591	.379 .163 154 .305 .520 .784
L				.511 .135 35 .512 .661 .764	.176 .092 27 .147 .276 .383	.374 .063 7 .359 .455 .477	.112 .125 115 .279 .169 115 .053 .222 .434 .250 .437 .720	.235 .190 .299 .192 .437 .683
L	.199 .085 1 .174 .261 .37		.479 .022 3 .485 .497 .501	.378 .210 45 .445 .579 .700	.140 .100 46 .104 .229 .417	.246 .097 17 .219 .367 .416	.160 .129 79 .175 .117 34 .118 .295 .481 .197 .300 .367	.212 .165 237 .164 .409 .608
	187 .027 183 .213 .22		.414 .188 21 .385 ,638 .772	.306 .115 .34 .301 .409 .535	.162 .112 58 .156 .268 .428	.233 .162 644 .224 .419 .577	.137 .104 31 .159 .128 15 .149 .211 .399 .083 .316 .375	.230 .161 807 .211 .408 .579
	066 .030 063 .089 .11		189 .099 32 .194 .311 .324	.186 .176 .75 .086 .378 .590	.169 .101 432 .157 .278 .383	.193 .132 222 .169 .338 .511		.177 .120 769 .158 .307 .495
Ŀ	051 .039 1: 029 .105 .11		.045 .017 30 .040 .063 .083	.057 .008 17 .060 .062 .067	.100 .070 <b>581</b> .090 .177 .263	,028 1		.095 .069 639 .083 .173 .257
:	049 .030 029 .076 .10	.055 .015 9 .062 .067 .074	.027 .005 15 .027 .029 .039		.070 .036 406 .062 .100 .168			.068 .036 438 .061 .098 .162
		.022 .020 18 .016 .040 .068			.050 .023 28 .044 .076 .093	.078 .029 4 .065 .101 .124		.042 .028 50 .034 .072 .099
					.020 .006 14 .019 .023 .034 -	.049 .015 17 .052 .061 .074		.036 .018 31 .029 .059 .072
				.014 .008 6 .009 .024 .027	.015 .009 12 .012 .020 .034	.046 .007 11 .048 .052 .053	.042 .005 6 .044 .045 .047	.029 .017 35 .030 .048 .053
				.010 .003 22 .010 .013 .015	.019 .007 29 .018 .026 .034			.015 .008 51 .013 .024 .034
				.012 .006 25 ,010 .017 .024	.026 .009 21 .023 .033 .045		.023 .006 7 .025 .027 .034	.019 .010 53 .017 .027 .040
				.015 .006 33 .012 .022 .028	.024 .009 <b>9</b> .021 .029 .043		.019 .004 13 .018 .025 .025	.017 .007 55 .015 .023 .031
				.021 .013 26 .019 .034 .049	.023 .004 2 .023 .026 .027		.018 .007 10 .017 .025 .027	.020 .011 38 .017 .027 .049
				.026 .014 27 .023 .031 .060			.026 .012 12 .027 .036 .044	.026 .014 39 .023 .037 .060
				.026 .005 14 .026 .029 .036			.034 .023 10 .034 .060 .061	.029 .016 .24 .023 .054 .061
				.026 .003 19 .025 .029 .030	Little Harrison			.026 .003 19 .025 .029 .030
				.027 004 8 .025 030 .034		W 11-7-1		.027 .004 8 .025 .030 .034
			.101 .069 46 .069 .203 .245	.051 1				.099 .069 47 .068 .202 .245
			.058 .011 2 .058 .063 .069	.033 .006 6 .035 .038 .039	-			.039 .013 8 .037 .046 .066
Γ							·	

# TABLE I. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR JANUARY (f) Flight level 390

																							ME:	AN	
								. 556 . 536	. 064	. 654	. 497 . 486	. 200 . 652	80 938										501 492	195 653	85 933
								. 458 . 432	.125 .583	. 750	. 416 . 381	.136 .570	30 642	.440		1	432 426	.040 .471	.495	.467 .445	072 537	. 623	. 446 . 431	. 122 .573	107 . 700
								. 568 . 497	. 251 . 884	71 1.066	.423 .424	.112 .549	. 17 . 581				. 449 . 435	.137 .583	. 712	.417 .422	. 195 . 655	. 716	.504 .376	. 225 . 736	130 1,050
								. 401 . 353	.090 .523	7 554	.366 .378	.126 .486	. 555	<u> </u>			. 328 . 378	.188 .512	. 564	.317 .318	.061	.415 .	.339 .351	.133 .461	. 563
090	1							. 255 . 304	.118	. 479	.086 .065	.049 .116	. 12 . 197	.439 .425		102 1.185	.187 .078	. 205 . 430	. 625	364 357	. 164 . 535	23 566	.328	. 236 . 549	215 949
					. 455 . 468	. 036 . 478	. 487	.212 .147	.096 .357	. 365	:144 :085	.131 .231	. 406	.321 .310	. 181 . 510	. 719	.180 .240	. 125 . 295	. 360				313	.180 .500	500 718
					. 237 . 213	.055 .310	. 329	188 130	138	. 568	.169 .179	.082	140 .342	.189 .141	128 319	97 .492							.181	111 267	306 510
								.037 .032	.016	. 077	:142	.098 .265	124 , 354	197 228	082 262	. 308							.141	.099 .262	157 . 351
104	1	<u> </u>	<del></del>					.029	.002	. 032	.098	.105 .142	. 474 . 474	023	003	.029							.083	.097 .126	60 . 445
					. 015 . 005	.014	. 034				. 054 . 053	028	. 090	026	.005	. 033							. 045	.029 .083	. 090 . 090
					.009 .008	003	, 014				.049 .051	022 074	. 076										.039	026 073	. 076
		.009	.003 .012	.016	.015 .015	.002	.018	.038 .035	012	, 05 <b>5</b>	. 045 . 049	016 057	. 076				L						032	.020 .054	45 075
		. 020		1				.019	008	.029	.038	006	.047										.026	.011	17 046
					. 037 . 036	.007 .043	.046	.023 .024	.005 .026	.028	.045 .051	011 053	. 055				<u> </u>						.038	.013	. 054
					. 032 . 037	014	. 044				035	015 053	. 062 . 062										.035	015	. 060
					.014		1	.022	007	. 033	025	008	. 032										.022	.008	. 033
								.022	.007 .028	. 037	ļ			ļ									.022	007	. 037
								.019 .019	. 005 . 024	. 026													.019	005	. 026
								.034 .028	020 043	. 087													034	020	. 087
								.080	.040 .107	. 178				ļ									.080	107	. 178
		<u> </u>		ć.				. 074 . 056	.034 .108	. 150			··										.074	108	. 150
								. 033 . 034	001 034	. 034		-											033	.001	. 034

TABLE I. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR JANUARY

(g) Flight level 410

CODE: MEAN ST. DEV. N
50% 84% 98%

JANUARY FL 410

									MEAN
ЭИ									
; <b> </b>									
				.530 .108 2 .530 .603 .634	.420 .115 13 .443 .534 .562	.550 140 14 .568 .657 .752	.472 .079 6 .479 .523 .592		.467 .134 35 .485 638 729
				.907 .300 74 .326 1.221 1.421	. 624 1	.582 .230 39 .502 .865 1.040	.619 .042 7 .609 .617 .706		.783 .310 121 .805 1.133 1.388
Į				.742 .301 85 .726 1.073 1.289	.380 .209 17 .309 .680 .730	.561 .172 39 .518 .738 .887	.045 .017 18 .039 .066 .082	.331 .220 11 .469 .545 .565	.564 333 170 .379 889 1.237
			613 148 20 620 717 889	.641 251 91 .617 855 1.254	.448 .236 86 .415 .557 1.160	.475 .183 .37 .436 .639 .904	.069 .015 15 .066 .093 .097		.513 .263 .249 .498 .734 1.177
	.296 193 9 .240 .544 .629		.485 .173 67 .473 ,661 .897	.368 144 20 346 456 780	.335 175 132 .318 517 701	.476 .283 60 .422 .693 1.273	.042 1		.401 .214 239 .334 .594 .905
L	.282 .178 <b>23</b> .284 .465 .590		.099 .022 6 .092 .116 .141	408 200 26 398 675 755	.143 .088 .44 .132 .207 .406	.139 .040 9 .124 .136 .233			.834 .181 108 .156 .449 .740
	.139 .099 17 .109 .160 .418		.046 .013 9 .042 .059 .076		.145 .128 42 .103 .245 .510				.131 .115 68 .077 203 .499
	.085 .021 6 .077 .092 .127	.074 .008 3 .070 .081 .085	.032 .003 9 .032 .035 .037		.060 .015 31 .067 .084 .101			. 4. 25.	.064 .022 .49 .067 .062 .110
		.058 .017 17 .066 .073 .078	.027 .004 4 .027 .031 .032		.081 .023 20 .077 .107 .117				.066 .026 41 .065 .099 .114
			.025 .004 6 .026 .028 .029		.059 .012 7 .053 .071 .081				.043 .019 13 .048 .060 .079
	REMOVED NO AS ENGLISHED SHAME I ASSESS VARIOUS IN THE COMPANY OF T		.025 .004 <b>5</b> .025 .028 .031		.041 .013 7 .049 .052 .054				.034 .013 12 .026 .051 .054
	er alltaller was er a skillensstremme dan stampestemmen til 45,000		.029 .009 5 .026 .038 .042		.039 .002 2 .039 .040 .041				.032 .009 7 .035 041 .043
L									ļ
L				.025 .003 2 .025 .026 .027					.025 .003 2 .025 .026 .027
L				.022 .003 7 .022 .026 .027					,022 ,003 7 ,022 ,026 ,027
L				.029 .005 4 .029 .034 .034					.029 .005 4 .029 .034 .034
				.134 .076 5 .183 .199 .210					.134 .076 5 .183 .199 .210
				.152 .014 4 .149 ,165 .174					.152 .014 4 .149 .165 .174
				,190 .067 7 ,225 ,243 ,246					.190 .067 7 .225 .243 .246
					•				
L		L						W 15	

JANUARY MEAN ST. DEV. CODE: FL 430 50% 84% 98% MEAN LAT 70N 65 65 60 60 55 55 .368 .249 .324 .687 . 752 50 927 370 2 927 1 178 1 281 50 . 918 .764 .446 10 .712 1.307 1.426 45 .456 .156 42 .464 .616 .733 .140 .027 3 .131 .162 .175 .568 .251 .568 .739 529 .101 538 .632 . 682 40 106 053 9 088 098 229 35 35 30 .097 .045 32 .083 .139 .236 25 .104 .048 **25** .085 .143 .242 .071 .008 7 .070 .077 .083 20 20 15 15 10 10 5 5 0 0 5 10 10 15 15 20 20 25 25 30 30 35 .112 .062 53 .101 .186 .264 35 40 40 455 455 15E 60E 15E

165W

LONGITUDE

120W

30W

75¥

105E

150E

### TABLE II. - GASP AMBIENT OZONE DATA BY LATUTUDE FOR FEBRUARY

## (a) Flight level 290

	CODE:	MEAN 50%	ST. 84		N 98%																	BRUAR 290	Y		
	ł	.)()/0	04	10	90%																		м	EAN	
ON		T									T				-		1				-		1		
1		1		Colodor vicko <del>rnigori</del> , etc.	Ť			<del>                                     </del>	Earth Lander Printer														Ħ –		
		1	-		1			1	ner van gerê depuye (jî. berdan														11		
Ì											1			.059	.016	. 091				.052	.004	. 055	. 056	.014	9
					1			1			.052		1	.057 .057	.004	. 061				.078		1	. 001 : 637		
Ì	<b></b>													. 224		1							. 224		1
	.053 .014 .050 .054 .07	3		W - 1		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								.054	.045	.134	.071	. 035	.127		,,,,		. 056	. 039	. 137
Ì	.047 .043 .047 .076 .08		and the second		.106	.072	. 245				.092	.087	. 281	.049	.014	. 072				ernegengen, op de byggen, op de 1 o			078 044		
İ	The second secon	. 051		1	1	. 102			ngg gangaraganan samennas					.092		1	<b> </b>	and a second state					077	*******	
İ	.115 .052 .107 .158 .19	5	-		. 050		1		VA 1011 MATERIAL		.049	.014	.071			renna - manua hakhak		retinen Process C .					063		
ł		. 046		1	044	.014	. 069				.032	.016	16	<b></b> -			t						036		
-			-		1	. 000	.003				.030	.009	22	<b> </b>	water is to produce								.030		22
Ì		.021	. 005	. 028	. 040	THE CONTRACTOR	1	.078 .078	.006	. 084	,056		1	<b></b> -			<b> </b> -						.045		
İ	The second secon	.026			<b></b>			.076	.062	. 004	<u></u>			<b></b> -			ļ	-					026		. 031
Ì	-and-to	. 026		.031		-	A (41) 3 (41)		EVII whyhili mulchi				1 1 1 may 1/2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			The second	<b></b>						.026		1
t					.014	.008 .020	. 021	The same of the same of the same of	() <b>***</b>			·					<u> </u>						:014	.006	. 021
ļ		+			.019	.003	.021	- marchael Barrell	-	·····								manuscom i min	TATAL STATE				.019		
l		+			.025	.011	.023	.024	. 004	. 027							<del> </del>						.024		
l		+	-		.027	.004	. 045	.024	, 026	.02/							<del> </del> -						.027		
t		<del>                                     </del>		***************************************	.025	. 030	.033	. 031		1				<b></b> -			<del>                                     </del>						.031		1
ł		. 054		1	.054 .054	.017	. 082	.058	009	. 10 . 076	<b> </b> -			<del> </del> -									. 056	.013	17
t		+			.054 .035 .035	.064 .030 .055	.082	.056 .063	020 083	.076 .16													.060		
ł					. 152	. 055	. 064	.061	. 083	, 105							<del> </del>				·		. 152		1
ŀ		+-			<del> </del> -							<u> </u>					<del> </del>						#		
·	5E	60E		10	55		11	L		1	65W			OW			1 75W	<del></del> -				1	5E		

70N 65

60 55 50

45

35 30

25

20

15 10

40 455

15E

ST. DEV.

. 020

60E

105E

150E

CODE:

## TABLE II. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR FEBRUARY

**FEBRUARY** 

15E

30W

75W

(b) Flight level 310

FL 310 50% 84% 98% MEAN LAT .006 . 070 .007 10 .085 .028 .119 .117 . 305 089 .068 . 269 .094 .082 .153 007 . 102 . 081 37 183 . 112 .112 .095 .029 36 124 .075 .002 2 .075 .076 .076 .025 .078 .069 .022 .070 .075 . 173 .057 .018 .056 .072 25 .084 .030 .015 . 042 030 .012

.018 .018 .016 . 062 . 057 .023 .015 0 .011 .005 . 038 .014 .015 . 050 .010 . 056 10 .011 016 .013 . 045 15 011 .010 . 035 . 063 .019 .014 20 . 107 .032 . 038 .047 .022 25 .031 . 106 021 . 077 .067 .015 30 33 106 35 .024 .028 35 .075 .040 .052 .106 . 129

120W

LONGITUDE

165W

TABLE II. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR FEBRUARY

(c) Flight level 330

CODE: MEAN ST. DEV. N
50% 84% 98%

FEBRUARY FL 330

																										MEAN		LAT
70N		-														. 273 . 273	. 032 . 294	303	.150 .092	.116	18 . 342				. 16 . 12	52 111 25 31	6 20 1 .341	7.0N
65					of the site of the			and the second second								.151 .143	.045	. 236	116	.039 .159	166	.188 .178	. 041 . 240	6 . 241	1 1 2	51 .05 23 20	1 20 5 241	65
60																.105 .101	.041	. 169				,1 <b>85</b> .217	.056 .236	. 241	:12	41 .06: 25 .22:	3 11 3 240	60
55										.475 .475	.019 .437	. 492										.106 .094	.035	. 175	. 1.6 . 09	90 .15 96 .33	1 10 5 .486	55
50										327 361	.132 .453	9 467							. 201 . 236	. 072 . 256	. 286	.162 .081	143	56 . 421	: 15		4 75 2 466	50
45	. 095 . 080	. 040 . 153	21 164				.,			.217 .167	.112 .362	16 .410				. 199 . 212	. 083 . 267	. 290	.199 .189	.151 .312	77 . 563	. 085 . 053	.072 .136	. 221	11 :13	72 .130 32 .300		45
40	.088 .049	.072 .165	14 252				. 232	.109 .332	16 . 379	. 110 .107	.055 .145	. 261	.066 .054	.026	. 122	114	. 995 . 257	33 . 317	. 181 . 209	.089 .264	16 .305				100	20 .08 37 .21		~£
35	.104 .079	.061 .179	24 227				. 112 . 069	.109 .160	12 .360	. 072 . 072	.003 .075	. 075	.079 .051	.078	115 .318	.101 .067	.093 .176	32 . 374	.317		1				05	89 .08 54 .15	3 168 1 .351	35
30	.094 .106	.021	. 114	. 057 . 055	011	. 19 . 077				.068 .050	.036	25 143	.052 .047	.026 .076	96 . 127	.065 .085		. 142							. 05 . 36	58 .029 47 .08	9 150 2 142	30
25	.084 .064	.036 .115	19 .159	073 058	.030	17 135	.034 .031	.011	12 .055	. 037 . 052	.055	. 187	.032	.026 .051	105 .091										. 04 . 03			25
20				.040	.012	. 072	. 039	.028 .055	12 .106		.,		.061 .055	.042	. 134				Ĭ						. 04 . 02	48 .03 25 .08	2 78 1 .122	20
15		ad Marine, a selection		.038	.006 .044	. 15 . 248	.021 .021	.002	. 023		to respond with the														.03	33 .00 36 .04	9 21 2 .047	15
10		Printer.			THE STREET STREET		. 025 . 020	008 .034	10 .040					The state of the s	***************************************										. 0: . 0:	25 .00 20 .03	8 10 4 .040	10
5		A. a. a. a. a. a. a. a. a. a. a. a. a. a.		.019		1	. 023	.007	11 035	. 116	NA WILLIAM THE	1						Product and and							. 03	30 .02 <b>23</b> .03	6   3 3   097	5
0							020	.013	14 .052	, , , , , , , , , , , , , , , , , , , ,															. 02 . 02	20 01 20 02	3 14 5 .032	0
5							. 030 . 031	.00\$	16 .045	.029 .034	,008 .035	. 035					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			and the service					; 03 ; 03	30 .00 32 .03		5
10							. 030 . 024	.017	17 .064	. 022	009	. 039													: 83	26 .01 19 .03	4 34 8 .063	10
15				***************************************			.040 .041	007	. 049	.026 .026	.014	. 05 <b>5</b>													. 03	30 .01- 28 .04	4 27 5 .054	15
20	. 075		1				.034	.002	. 037	. 026	.020	. 080													. 02	28 .02 22 .03	0 46 9 079	20
25	048 046	. 013 . 066	. 070				. 038 . 036	.009	. 056	. 048 . 042	.034 .094	.62 .110	1						1						: 04	47 .03 42 .07	0 83 6 ,109	25
30				. 077 . 083	.017 .089	.095	.074	.005	. 080	. 062 . 0 <b>62</b>	.027	.116					Endaded Anna Car								. 00	64 .02 66 .08	6 99 5 115	30
35							.080	.025	10	.077 .075	.030	. 123	<u> </u>				, et								. 6	77 .02 72 .10	9 78 8 126	35
40							. 044		1	.081	.038	34 162	<u> </u>												8	80 .03 76 .11	8 35 7 162	40
<b>4</b> 5S											-			······································					1									458
•	15E		60	)E	·····	105	E		15	ΟE		1	65W		1	20W			75W		3	OW			15E			

## TABLE II. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR FEBRUARY (d) Flight level 350

CODE: MEAN ST. DEV. N 50% 84% 98% FEBRUARY FL 350

							MEAN	LA
					. 331 1	.211 .085 13 .236 .253 .361	.219 .088 14 .237 .280 .37	701
				.419 .057 8 .439 .461 .498	.336 .141 16 .280 .470 .631		.363 .126 24 .340 .475 .613	65
				.200 .112 13 .182 .288 .457	.408 150 75 .434 .538 .658		.377 .162 86 .397 .508 .65	_
			.363 .070 22 .350 .429 .480	.396 .078 33 .390 .456 .563	.372 .152 100 .404 .501 .650	. 422 . 044 . 3 . 178 . 437 . 458 . 467	1 .375 .130 .15 .396 .490 .600	
			.442 169 33 .476 605 .715	.301 .133 47 .337 .415 .501	.393 169 84 .423 .559 682	.267 .098 .25 .178 .156 .275 .367 .412 .123 .35	<del></del>	
.260 .104 .35 .271 .342 .395		.442 .042 7 .453 .485 .487	.269 213 24 173 497 660	.155 .136 .56 .107 .289 .529	.337 .163 .78 .380 .504 .565	.126 .104 47 .194 .06 .070 .275 .336 .194 .26		_
273 131 62 292 405 463		.105 .087 13 .063 .244 .269	.246 126 19 .281 .376 .423	.201 .157 <b>7</b> 4 .196 .397 .451	.151 .120 207 .101 .265 436	.135 .144 8 .065 .01 .089 .155 .454 .065 .07		_
.159 .100 71 .120 .276 .367		.133 .095 <b>33</b> .082 .25 <b>3</b> . <b>329</b>	143 084 44 140 254 273	093 100 232 060 139 421	.096 .075 43 .067 .171 .272	.227 .168 9 .158 .427 .545	.115 .103 433 .068 .205 .30	
.079 .046 79 .064 .103 .250	.057 .017 19 .054 .073 .096	.061 .011 18 .058 .075 .080	.111 .041 <b>12</b> .104 .168 .184	.077 .060 403 .063 .108 .286			. 077 . 056 53 . 063 . 106 . 27	1
.060 .012 17 .059 .072 .083	.056 .013 23 .059 .067 .078	.039 .009 23 .036 .043 .061	.065 .001 .7 .065 .066 .066	.063 .043 361 .054 .098 .171			.062 .040 43 .054 .093 .16	39 23
	.050 .016 16 .042 .066 .077	.048 .017 .14 .043 .063 .083	.050 .010 10 .056 .059 .060	.042 .024 87 .041 .067 .092			044 022 12 043 066 08	<del> 1</del>
	.042 .005 11 .042 .046 .047	.030 .019 11 .040 .046 .048	.012 .015 39 .003 .032 .039	.027 .020 22 .020 .057 .063			.021 .044 .06	13
	.026 .007 12 .024 .033 .039	.020 .005 9 .018 .025 .029	.030 .007 3 .027 .036 .039	.028 .014 16 .028 .038 .054			020 036 05	11 5
	022 008 4 020 028 033	.020 .003 9 .019 .023 .025	.034 .023 14 .029 .041 .095	.032 .014 14 .037 .045 .050			026 040 .06	55 5
		.024 .019 <b>22</b> .019 .038 .069	.044 .033 .29 .029 .103 .112	.038 .005 4 .038 .042 .043			,028 .047 .11	ا ا
		.022 .009 <b>29</b> .025 .030 .0 <b>35</b>	026 006 24 026 031 037				.024 .008 5 .025 .031 .03	<u> </u>
		018 008 15 018 022 033	021 008 47 023 027 031				.020 .026 .03	35
		.033 .011 22 .031 .047 .054	023 012 75 021 033 056				.026 .012 9 .024 .036 .05	
	.028 1	.036 .010 .38 .035 .048 .054	.042 .026 80 .034 .072 .103				,035 ,059 ,09	
· · · · · · · · · · · · · · · · · · ·	.027 .005 12 .029 .032 .035	056 023 37 045 082 106	.048 .021 88 .049 .064 .099				.045 .068 .10	
	.031 1	072 017 <b>27</b> 069 090 1 <b>02</b>	.070 .030 .77 .072 .099 .124				.069 .095 .11	19 30
		.080 .038 41 .077 .099 .157	.092 .047 58 .080 .140 .217				.080 121 22	35
		.168 .092 11 .108 .278 .305	.080 .031 63 .076 .112 .139				.093 .055 7 .082 .115 .27	
				65W 1;		75U 30W		45

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TABLE II. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR FEBRUARY

(e) Flight level 370

																							1-1	370			
<u> </u>																									ME	AN	
				T									I			, <del></del>			.311		1				.311		1
				<b>†</b>			<u> </u>						.576 .571	. 100 . 649	62 . 786	.546 .530	.091	13 .725	.360 .360	. 004 . 362	. 363	. 330 . 321	.019	. 364	. 551 . 555	.115	. 736
_					<del></del>					. 291 . 295	.115 .430	17 . 468	.530 .544	.141 .672	. 72 . 746	482 525	. 213 . 703	38 .745				. 186 . 155	. 106 . 310	. 332	. 466 . 507	. 191 . 668	
										. 360	. 182 . 543	111 710	.401 .404	. 193 . 566	. 950	.410 .401	. 125 . 556	. 607	,460 .467	.029 .490	16 . 495	. 520 . 576	.168 .660	, 702	.419 .449	.183 .610	
										. 464 . 475	. 238 . 678	60 907	.426 .442	. 168 . 550	. 637	439 426	. 084 . 498	15 . 608	.063 .034	.096	112 .444	. 340 . 298	.217 .605	126 . 775	. 290 . 246	. 241 . 566	
. 38	88		1				.218	006	. 226	.411 .377	. 156 . 623	59 686	.406 .390	. 218 . 654	68 822	.373 .441	. 143 . 481	. 11 . 503	.078 .050	. 107 . 062	126 . 506	. 259 . 311	. 174 . 436	92 . 517	. 252 . 133	.212 ,476	
. 33	38 44	042 354	. 398				. 343 . 287	. 159 . 577	28 .618	. 401 . 359	. 138 . 535	40 664	239 232	. 163 . 443	. 48 . 518	264 251	. 152 . 441	634 . 548	. 132 . 038	. 151 . 342	64 .469	. 328 . 384	.161 .481	46 559	. 269 . 264	. 158 . 445	909 . 576
. 25	54 74	152 440	65 . 456				. 266 . 279	.074 .324	. 89 . 394	. 169 . 147	.117	191 .478	137	.131 .308	280 487	. 162 . 147	. 120 . 246	213 .514	. 548 . 524	.052 .587	. 664				. 178 . 134	.136	
, 06 . 06	66 60	080	36 .119	. 049 . 046	.007 .056	23 .065	. 101 . 057	. 095 . 211	35 . 345	. 101 . 078	.065 .153	287 , 250	:174 :115	. 133 . 351	479 . 424	029	. 001 . 029	. 029							.139 .065	.115	
. 07	74		1	.060	.007	58 . 076	.061	.008	. 18 . 077	.117 .087	.052	108 .226	.095 .092	. 064 . 155	397 . 271										.095 .073	. 059 . 151	
				.044	.017	. 069	.084	.090	. 246				.084 .078	.063 .125	. 242	044	.021 .057	. 063							. 071 . 055	.058 .104	95 . 243
				.027 .026	.005	17 .035	.011	014	. 042				.030	. 022 . 049	. 61 . 095										, 025 , 019	. 020	
				017	.011 .026	. 032	.016		1	.018 .017	.006	25 .031	. 024 , 021	.015	. 069										.020		
				.019 .015	.005	. 026				.021	.011	. 051	.046 .038	.015	. 070										.023 .020		
										. 020 . 020	.010	. 55 . 038	.032	.013	. 058										.021 .023	011	. 039
										.022	.012	61 . 045	.038	.008	. 048										023 024	.012	
							. 023	.007	. 036	.020	.012	. 048	. 054 . 052	.014 .067	. 073										.023 .022	.015	
							.031 .031	.012 .039	. 055	. 028 . 025	.014	17 .052	. 085		1										.031 .027	.016 .048	. 0 <b>68</b>
.00	34 35	005 038	.040	024	.005 .028	. 030	.049	.013 .059	. 18 . 079	.075 .075	.016	. 089													.044 .041	.016 .058	
				030	.005	. 042	. 047 . 048	.010	.061	.048	.010	.067											-		.039 .029	.012 .053	
				048	.016	. 085	. 091 . 095	.049	. 17 . 166	. 040 . 042	.003	. 043					×1			· · · · · · · · · · · · · · · · · · ·					.068 .043	.043 .124	. 160
			*****				. 088 . 084	.029	. 153	. 097 . 075	.055 .116	. 222													. 090 . 084	. 037 . 122	
							.126 .126		.157	. 107 . 102	.027	. 140													.115	.030 .148	. 157
																				•••				~	П		

TABLE II. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR FEBRUARY (f) Flight level 390

FEBRUARY

CODE:	MEAN ST. DEV.	N					FEBRUARY	(
00021	50% 84%	98%					FL 390	
		<del></del>						MEAN
<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>					<u> </u>		1	MEAN
<del></del>			646 310 2	630 184 105	.597 .024 2			.630 .186 109
			.646 310 2 .646 856 943	.630 184 105 .618 796 1.018	.597 .024 2 .597 .612 .619	515 .025 4	.452 .055 17	630 .186 109 .618 .797 1.015
·····			.624 .190 100 .623 .829 .923	.545 .182 .69 .516 .718 .920		.515 .025 4 .526 .535 .535	.465 .514 .521	578 185 196 445 784 928 580 207 216
		<del> </del>	.608 227 144 .594 829 1.114	.565 .172 .36 .551 .715 .866		.509 .096 13 .534 .603 .624	.472 .082 23 .458 .538 .654	.580 .207 .216 .469 .799 1.046 .504 .280 .193
			.708 .270 57 .784 1.004 1.096	.497 .312 40 .385 .833 1.241	368 102 17	.474 .171 18 .526 .614 .692	.364 .213 78 ,448 .573 .727	.504 .288 193 .463 .817 1.103
	7 <b>6</b> 57	.791 .213 14 .850 .973 1.040	.509 .289 73 .427 .794 1.181	.366 .185 .59 .351 .541 .821	.339 .474 .571	.666 .256 16 .639 .990 1.088	.427 .054 14 .423 .488 .498	.493 .224 27 .458 .693 1.054
499 .088 514 .572 .59	79 92	.664 212 44 .730 640 967	.565 .320 .226 .507 .782 1.343	.186 .173 .25 .096 .343 .626	.274 .188 .352 .219 .473 .739	.596	.349 .037 14 .347 .385 .424	.409 .275 74 .386 .634 1.29
		.367 .160 .35 .364 .442 .7 <b>6</b> 2	.182 .119 135 .140 .316 .465	.147 .133 96 .090 .273 .476	.302 .259 177 .217 .653 .758			.236 .207 44 .140 .437 .74
		.105 .047 21 .078 .168 .182	.062 013 9 .057 .065 092	.129 .103 166 .091 .218 .372	.052 .001 2 .052 .053 .053			.122 .097 19 .082 .209 .36
		.051 .018 7 .059 .065 .070	.110 .046 16 .096 .167 .186	.081 .052 107 .079 .140 .187				.083 .051 13 .076 .142 .18
		.017 .013 22 .015 .035 .043		.056 .039 24 .052 .092 .138				.037 .036 4 .016 .081 .13
		.016 .013 .31 .012 .037 .043		.024 .016 7 .021 .034 .053 .				.017 .014 3 .011 .037 .04
		.040 .006 15 .042 .046 .048		.059 .002 2 .059 .060 .061				.043 .008 1 .043 .048 .06
	.040 .011 4 .035 .049 .057	.037 .011 6 .036 .048 .050		.002 .002 4 .001 .003 .005				.028 .019 14 .018 .047 .056
	. 039 1			.040 1				.040 .001 .040 .040 .04
	. 030 1	.024 .004 5 .023 .026 .030	.038 .007 4 .039 .044 .047	.031 .009 4 .031 .040 .040				030 008 1 026 040 04
		.012 .007 5 .010 .018 .023	.054 .003 <b>2</b> .054 .056 .057	.029 .008 6 .026 .034 .045				026 .016 1: 024 .047 .05
		.016 .006 2 .016 .020 .022		.058 .010 11 .057 .065 .078				.051 .018 1 .053 .064 .07
			0.000 1	.057 .014 15 .053 .072 .083				.054 .019 1 .051 .072 .08
			.013 .018 7 .008 .014 .051	.039 .015 16 .041 .052 .058				.031 .020 2: .033 .052 .05
	.058 .024 11 .044 .089 .093	.093 .005 5 .095 .098 .098	.091 .054 16 .084 .112 .226	,053 1				.079 .044 3 .084 .098 .20
		.086 .027 32 .076 .109 .162	.107 .058 32 .093 .174 .225					.096 .047 6 .071 141 20
		.122 1						122
E	60E 16	D5E 15	DE 1	65W 12	OW 7	5W 3	OW 15	ΣE

TABLE II. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR FEBRUARY

(g) Flight level 410

cc	DE:	MEAN 50%	ST. D		N 98%																	EBRUA 410				
																							ME	AN		LAT
									-				•													70N
											. 760 . 693	.318	1.288	.747 .752	.015 .759	. 763							. 757 . 678	.282 1.116 1.	14 284	65
								. 562		1	.722 .699	229	1.154	.700 .752	.168	1.037	. 724 . 743	. 069 . 773	. 815		<del>,</del>		. 709 . 748	.188 .868 1.	49 145	60
							·	.775 .807	. 256 . 997	65 1.315				.664 .658	. 164	52 1.054	. 784 . 804	.118	10 .970				.730 .722	. 221 . 938 1	127 214	55
								.647 .610	. 244 . 907	1.148	.494 .476	. 087	. 618	. 763 . 761	. 221	57 1.254	. 755 . 695	. 243 . 872 1	30 .475	. 480 . 486	. 149 . 589	17 .794	. 675 . 484	. 244 . 888 1.	226 247	50
					. 589 . 608	.172	. 837	. 633 . 638	. 305 . 900	61 1.492	.418 .426	. 234	. 849	546 599	. 278	95 1.015	. 697 . 665	.315	. 19 . 387	.564 .564	.041	. 603	. 556 . 573	. 285 . 805 1 .	245 167	45
.378 .179 .307 .640	. 13 . 716				.419 .406	. 195 . 5 <b>9</b> 9	. 828	.411 .514	. 197 . 553	. 692	. 453 . 465	. 196		.364 .259	. 246	61 . 955	. 286	.065	.347	.425 .362	.112 .569	. <del>6</del> 03	.418 .447	205 607	363 840	40
.349 .184 .385 .500	64 . 792				. 293 . 300	.115	. 541	. 157 . 154	.027 .188	. 197	. 272 . 185	. 205 . 519		.163	.006	. 169							.300 .297	.167 .459	186 702	35
.103 .069 084 .109	30 . 335				.102	.060	. 208				.061	.068 .122		.098		1							.086 .078	.070 .121 .	61 322	30
063 068	. 071										.035	. 025		.092	. 005	. 100							: 049 : 055	.031 .086 .	25 098	25
					.045	. 026	, 091				.014	.015											.027	.025 .050 .	20 083	20
					.035	.020	. 12 . 071				.018	.012		<u> </u>									.028	.019 .050 .	20 067	15
.050	1	1			.039	, 015 . 051	. 068				.008	.002		1			<b></b>						.030	.019	17 066	10
		. 042	.005 045	. 047	.033		. 042								<del> </del>								.035	.006 .041 .	9	5
		1												1									11			0
		<u> </u>								_	<b> </b>	·					<u> </u>						#			5
***		<b>T</b>																					#			10
									*								<u> </u>					·	#			15
		1	<del></del>											<del> </del>			<b> </b>						#	,	$\dashv$	20
		†									<b> </b>			<del> </del> -									#			25
	<del></del>	† <del></del>	<del></del>		<b></b>			. 074 . 056	.038	. 154	. 074			<del> </del>				<del></del>					.074	036	10 153	

120W

.163 .058 .190 .211

15E

. 236 35 40

455

60 55 50

25 20

10

35

40

105E

150E

LONGITUDE

165W

**\_**\_

TABLE II. - Concluded. GASP AMBIENT OZONE DATA BY LATITUDE FOR FEBRUARY

(h) Flight level 430

												<b>ME</b> AI	N
									<del></del>			_	
					1.009 .354 6 1.170 1.330 1.33					:7	35 117 7 64 839 844	.862 .825 1	. 290 13 . 276 1 . 33
			. 796 . 904	.278 10 .993 1.191	.751 .353 30 .736 1.195 1.377					:7	42 .059 6 45 .791 .831	.760 .724 1	
			.591 .573	.195 53 .812 .927			. 188 . 215	. 698					.243 65 .805 916
			.578 .447	.305 7 .684 1.187		594 566		. 710					. 202 13 . 665 1 . 086
			. 052 . 044	.017 24 .074 .081		311	. 103 . 402	. 460					.124 32 .262 .429
			. 040 . 031	.017 29 .061 .070									.017 29 .061 .070
			029 025	.013 6 .038 .050									.013 6 .038 .050
			020 020	.007 2 .024 .026									.007 2 .024 .026
			.023 .024	.006 6 .029 030									.006 6 .029 .030
			.031 .031	.002 7 .032 .035								.031	. 002 . 032 . 035
												<u></u>	
			<u> </u>	•								<u> </u>	
	 		<u> </u>								,		
	 4	· · · · · · · · · · · · · · · · · · ·										 <u> </u>	
	 										V		
			<b></b>										
	 <del></del>				.168 .028 10 .166 .199 .201	_						. 168 . 166	.028 10 .199 .20
	 <del> </del>						<u>.</u>						
L	 į		l										

## TABLE III. - GASP AMBIENT OZONE DATA BY LATITUDE FOR MARCH (a) Flight level 290

																								ME	AN	
_							T			1	····	1			1											
-												+			<del> </del>			<u> </u>			<del>                                     </del>					
-												<del> </del>			. 162	.053	. 245	. 254 . 266	.107	. <b>29</b>	. 286 . 340	.112	. 391	. 241	. 108	. 487
-												<del>                                     </del>			. 156	103	. 271		. 330		.202	090	. 383	.192	.095	28
_												<del>                                     </del>			.056	.013		.099	.053	.210	.101	100	26 . 438	.089	.076	. 402
	)55 050	.011	. 072									. 137		1	.008		1	.176	.101	. 350	. 053		1	.122	.097	339
		.022	. 109				. 060	.020	. 098	. 049	1	.003	<del></del>	1	.079	.086	. 324	.136	105	12	.043		1	.083	074	. 348
_		.064	15				.114	.082	. 289	. 172	1	050	021	. 103	114	.096	. 333	.090	102	. 306				.092 .054	.078 .166	. 331
_		006	. 065	. 058	.006	. 066	.061	.016	. 097			.071	. 030	13	.098	.069	. 231	036	.001	. 038				.070 .056	.041	. 186
•				.052	.002	. 054	. 026	.014	. 050			.084	. 030	. 140	.037	. 006 . 038	,048	. 040 . 040	.000	. 041				.050	.031	. 114
							.030	.005	. 037				.019	. 094	.026	.007	. 036							.044 .033	.021	. 090
				. 062		1	. 059	017	. 073															. 059 . 050	.015	. 073
													_													
_															. 035		1							. 035		1
_																								-		
	013		1	, 027		1												.017		1				.019	.006	. 027
	043		1																					. 043		1
_							. 025		1															. 025		'
_							. 039	.005	. 047	. 055	1													.041	.007 .048	. 054

TABLE III. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR MARCH

(b) Flight level 310

			_ L_	50%	84%		98%																• –	310			
																									ME	AN	
			,													•						. 218 . 278	.121 .318	8, .364	.218 .278		. 36
						-																.168 .173	. 074 . <b>245</b>	12 . 260	.168 .173		. 26
																						, 152 . 165	.069 .225	12 . 237	. 152 . 165	. 069 . 225	. 23
_																.387 .379	.052 .431	. 461				.146	125 303	.417	.194 .118	.149 .374	. 45
											_		. 341 . 405	. 137 . 440	. <b>4</b> 44	. 145 . 103	. 100 . 226	. 301				. 190 . 128	.139 .410	26 . 441	217 170	.150 .413	. 44
	107 107	.038	. 143							:114 :120	.029	, 145	.095 .073	.118 .097	, 10 , 377	.173 .116	.129 .326	. 433	. 239 . 166	.193 .485	18 . 534				173 098	. 152 . 409	. 49
	090 054	.063	. 211				. 166 . 166	.005	. 171	. 207 . 166	.072 .284	. 333	.094	. 137 . 162	.416	.074 .051	.085	83 .419	.130 .074	.131 .195	.414				. 094 . 055	.100 .166	.44
	137 061	.122 .266	348				.119	.105	14 391	203	.021	. 223	.140 .066	177	13 .561	.103 .051	.103 .215	. 295							.129 .044	. 133 . 228	. 47
				. 050 . 049	003	. 054	. 086	.010	. 099				.040		1	.026	.018	. 064							.059 .070	.030	. 09
				. 058 . 058	.009	. 067	.072	.021	. 106				.082	.069	. 236	. 055		1							.077 .060	. 055 . 094	. 23
				.049	.011	. 063	.048	.019	. 083				.068 .059	. 022	. 13 . 107	:011	.002	. 013							. 046 . 030	.028	. 10
				.032	.013	. 062	.038	.018	.070							. 049	. 022	. 064							.037 .026	.016 .062	. 06
																1			.038	.005 .041	. 043				.038 .038	.005 .041	. 04
																										_	
	*																										
								<del>~</del>						· ·····		1											
	033	009	. 043																. 065		1				.037 .036	.014	. 06
		008	16																						.050 .051	,008 ,058	. 06
				h									t			1							· · · · · ·				
							. 050		1	.058	.017	10				<del>                                     </del>									.058 .057	.017 .067	. 09
							. 034		1																.034		
-													<del> </del>	<del></del>		<del>                                     </del>			f			l					

TABLE III. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR MARCH (c) Flight level 330

		CODE		MEAN 50%	ST. D		N 98%																M. Fl	ARCH L 330				
																									ME	AN		LAT
70N																1			.115		1	. 247 . 224	. 136 . 395	. 428	.233 .152	. 135	. 427	70N
65																. 287 . 255	. 088	. 447	. 494 . 498	. 045 . 535	. 15 . 553	.402 .422	. 049 . 442	. 442	.419 .455	.110 .529	27 551	65
60																.417	. 103 . 527	. 509	. 304 . 226	. 223 . 577	16 .629	.310 .340	. 146 . 471	. 500	.354 .313	. 162 . 519	.604	60
55													. 456 . 473	.056 .513	. 517	. 339 . 374	. 150 . 509	. 573	. 215 . 178	. 155 . 381	63 . 587	. 169 . 094	. 151 . 351	80 508	. 220 . 169	. 167 . 419	173 573	55
50										.079 .062	.046 .109	10 185	. 256 . 226	. 161 . 451	15 . 544	.244 .182	. 141	. 447	.128 .076	.131 .217	123 .493	. 196 . 104	. 180 . 423	121 . 634	. 167 . 065	. 161 . 384	278 588	50
45	. 234 . 179	105 354	. 386							. 131 . 063	.119 .323	37 . 362	. 276 . 150	. 211 . 525	14 .591	.219	. 125 . 305	15 . 459	. 123 . 064	.119 .210	155 .484	.139 .131	. 073 . 221	18 . 261	. 143 . 075	. 131 . 265	246 . 496	45
40	.162 .147	.077 .224	. 356				. 053 . 053	. 005 . 057	. 060	. 156 . 106	. 136 . 248	. 470	. 096 . 074	.072 .094	. 309	.123 .073	. 101	. <b>84</b> . 35 <b>2</b>	. 250 . 241	. 172 . 444	. 543	.114		1	. 150 . 079	. 127 . 275	188 .490	40
35	.178 .203	.119 .327	. 351				. 208 . 097	.186 .411	15 583	. 527		1	.111 .074	. 113 . 191	91 . 532	.128 .081	. 116 . 166	33 . 478							.137 .078	. 130 . 248	168 567	35
30	. 097 . 069	.061 .127	10 242	. 067 . 066	.016 .071	17 . 108	. 162 . 164	012 172	3 176				.074 .059	. 034 . 100	. 172	.051 .049	. 015 . 069	. 076	.213 .213	. 053 . 249	. 264				. 075 . 061	. 041 . 100	125 .185	30
25				.074 .070	.014	. 091							.081	.063	. 251	.037 .036	.010	. 057	.060	.026	. 093				.071 .055	.057 .099	75 233	25
20				. 056 . 056	.015	. <b>0</b> 70	. 036 . 041	.017	. 057	. 065 . 061	.029 .088	. 134	.073 .069	.040	. 162	. 041 . 040	.016 .055	. 068							. 060 . 054	. 033 . 084	87 150	20
15				.012	.002	.014	. 035 . 043	.018	. 063	.039	.016	. 070	.035	002	. 037	. 043	.024	. 16 . 085	. 046 . 046	.004	.051				.037 .035	.019	. 077	15
10				. 045 . 046	.002	. 047	.040	.012	. 060	.031	.000	. 032	.031	.002	. 033				. 050 . 049	.004 .054	. 057				. 041 . 034	.010 .051	. 059	10
5							. 027 . 027	. 002	.030	. 031	.003	. 036				034 034	. 003	. 036	.040	.008	. 055				. 035 . 032	.008 .043	19 .053	5
0							. 029 . 028	.002	.032	. 027	.003	. 030							. 023 . 024	.012	.043				.026	. 008 . 032	. 040	0
5							. 038 . 036	.005	.045	. 025	.007 .028	. 038							. 026 . 026	.004	. 030				.030 .028	.008 .038	15 . 044	5
10							. 043 . 043	.018	. 060	. 025	010	. 042													.030 .025	.015	. 059	10
15										. 033	. 005	. 040			<del></del>	1									.033	.005	. 040	15
20	025 018	.016 .046	6 .049	. 046 . 046	.009	. 054				. 025	.002	. 027													.028 .023	.013	. 053	20
25	.015	.008 .023	10 .026	.042 .044	.007	14 . 054				.041		.068													.033	.016	32 . 067	25
30				045	008	. 064	.046	.012	. 062	. 072		1													.046		. 071	30
35							. 051	.010	. 060	119	.048	. 188													:112		. 188	35
40							.045	.008	. 053	.082		. 213													.074		. 208	40
455	<del></del>				*											<b>T</b>												455
ì	5E		60	E		105	E	-	15	0E		1	65W	<del>-</del>	3:	20W		7	5W		3	OW		15	Ε			,

## TABLE III. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR MARCH (d) Flight level 350

CODE: MEAN ST. DEV. N
50% 84% 98%

MARCH FL 350

						MÉAN
				.597 .056 13 .593 .649 .686		.597 .056 13 .593 .649 .686
			.516 .035 8 .516 .554 .563	570 074 16 .481 021 7 .570 .655 .661 .474 .512 .514		.536 .068 31 .521 .600 .659
		177 111 4 166 285 319		.475 .131 42 .345 .146 15 .503 .599 .675 .377 .485 .535	.298 .109 17 .266 .415 .455	.396 .158 .78 .372 .558 .665
		.378 189 35 .392 .557 .683	.641 .062 26 .643 .706 .751	.398 .211 38 .304 .226 24 .463 .637 .680 .198 .638 .714	.280 .228 .72 .216 .524 .744	.372 .234 195 .395 .642 .730
		.498 .149 32 .473 .621 .844	.298 .102 14 .279 .407 .462	.289 .194 44 .125 .126 58 .211 .509 .606 .058 .252 .485	.158 .141 .39 .087 .284 .568	.247 .201 187 .192 .479 .671
.271 .158 16 .298 .418 .482	. 54 . 54	49 009 2 327 223 44 49 554 557 318 591 718	.208 .191 .33 .113 .442 .644	.369 .195 84 .211 .195 54 .396 .596 .677 .100 .483 .551	.388 .149 .5 .420 .536 .561	.298 .210 .238 .166 .520 .665
.230 .176 .23 .148 .429 .528	.54	44 .119 27 .286 .207 20 75 .644 .727 .236 .555 .585	.115 .082 102 .078 224 .279	.168 .141 236 .240 .193 3 .103 .288 .545 .158 .395 .492	.263 .047 4 .244 .303 .335	190 169 415 113 380 619
.244 .137 33 .183 .387 .452	. 24	43 .203 18 .150 .056 3 50 .457 .638 .160 .195 .210	.160 .1 <b>53 223</b> .094 .273 .619	.146 .119 23 .100 .205 .501		.173 .156 300 .107 .354 .620
.157 .064 21 .147 .209 .299	.098 .066 42 .05 .067 .171 .262 .03	50 .031 17 .055 .012 11 33 .089 .099 .054 .066 .070	.105 066 281 .065 158 272	.038 .025 18 .033 .069 .075		.100 .067 390 .079 .159 .271
	.054 .016 40 .06 .053 .071 .090 .06	60 .005 2 .066 .007 5 60 .063 .065 .068 .072 .073	.091 .047 189 .084 .132 .207	.035 .017 18 .032 .001 3 .042 .046 .056 .032 .033 .033		.080 .045 257 .072 .121 .200
	.055 .017 20 .03 .055 .069 .088 .03	32 .003 4 .077 .018 4 32 .035 .037 .070 .089 .105	.087 .056 33 .070 .182 .201	.027 .014 9 .024 .043 .046		.066 .046 70 .049 .093 .196
	.014 .015 4 .03 .009 .027 .036 .02	34 .020 43 .054 .034 45 29 .056 .066 .043 .108 .111		.039 .009 12 .037 .051 .054		.042 .028 104 .035 .059 .110
	041 .002 5 .03 041 .042 .044 .03	33 .003 8 33 .035 .038		.032 .005 12 .037 .008 8 .032 .036 .040 .039 .045 .047		.035 .006 33 .035 .041 .046
	1	•		.036 .004 6 .035 .041 .042		.036 .004 6 .035 .041 .042
				.040 .005 5 .038 .044 .048		.040 .005 5 .038 .044 .048
				.031 .006 8 .030 .036 .040		.031 .006 8 .030 .036 .040
				.032 .013 14 .035 .042 .054		.032 .013 14 .035 .042 .054
				.050 .009 14 .049 .058 .067		.050 .009 14 .049 .058 .067
	. 06	66 1		.047 022 5 .042 .066 .083		051 021 6 048 070 084
	.043 .028 9 .06 .041 .059 .096 .06	68 .005 5 68 .072 .076				.052 .026 14 .047 .069 .096
	.153 1 .09	91 .011 6 92 .103 .106				.100 .024 7 .094 .108 .147
	. 06	65 .050 10				.065 .050 10 .045 .084 .184
	. 02		•			.217 .085 13 .251 .275 .294

TABLE III. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR MARCH

(e) Flight level 370

CODE:	MEAN ST. DEV. N 50% 84% 98%			MARCH FL 370	
					MEAN
			.693 .068 2 .693 .739 .758		.693 .068 2 .693 .739 .758
		.288 .097 3 .275 .368 .407	.565 .089 58 .628 .114 17 .574 .638 .701 .645 .696 .803	.627 .007 2 .627 .631 .633	.569 .113 80 .576 .659 .717
		.355 .213 11 .351 .617 .697	.543 .123 52 .576 .135 45 .586 .658 .722 .586 .682 .864	.377 .191 22 .447 .130 17 .339 .586 .618 .490 .577 .636	.503 .168 147 .546 .652 .766
		.516 .150 68 .523 .661 .810	.649 .091 25 .546 .156 32 .673 .726 .781 .597 .688 .764	.378 .205 28 .360 .210 73 .307 .611 .695 .413 .550 .705	.468 .201 .226 .373 .663 .775
		.466 .243 35 .427 .710 .919	.420 .194 57 .527 .167 20 .481 .634 .719 .564 .653 .761	.196 .230 138 .333 .202 357 .061 .503 .825 .350 .560 .757	.324 .226 607 .310 .580 .766
.518 .113 .24 .505 .623 .760	. 610 . 610	0 055 2 457 225 30 0 647 663 553 660 729	.359 .248 83 .409 .229 47 .333 .643 .760 .364 .674 .890	.095 .148 95 .586 .279 17 .042 .078 .565 .635 .712 1.169	.320 .265 298 .153 .635 803
.543 .094 7 .528 .644 .661	. 493 . 500	3 137 14 334 224 60 550 664 305 604 680	.249 .185 79 .348 .191 685 .183 .445 .644 .370 .549 .680	.090 .095 24 .493 .033 3 .039 .215 .315 .505 .520 .526	.335 .196 872 .346 .548 .673
.389 .135 11 .447 .480 .490	345 308	5 .186 29 .237 .198 43 5 .572 .695 .154 .534 .683	.193 .203 .225 .294 .182 .384 .097 .339 .768 .258 .510 .652		.261 .197 692 .159 .501 .710
181 131 11 130 226 501	066 020 67 118 056 095 119 111	3 .024 6 .076 .020 13 .145 .154 .074 .099 .106	.122 .103 603 .104 .090 32 .096 .178 .466 .073 .149 .315		.116 .099 732 .091 .155 .462
	.073 .016 .63 .091 .071 .085 .105 .095	.015 7 .078 .016 5 i .100 .103 .079 .089 .100	.092 .058 438 .065 .002 19 .084 .116 .274 .064 .067 .069	. 041 1	.088 .054 533 .080 .109 .262
	048 .027 79 .029 045 .080 092 .026	.021 8 .048 .028 19 .051 .069 .032 .085 .089	.086 .034 52 .052 .009 2 .090 .116 .120 .052 .057 .060	.034 .005 2 .034 .037 .038	.059 .035 162 .057 .091 .116
	022 014 22 046 023 030 056 055	.022 25 .029 .005 17 .066 .080 .029 .034 .036	. 032 . 004 2 . 032 . 034 . 035		.033 .019 66 .028 .059 .075
			.033 .006 14 .032 .039 .042	.030 .008 7 .030 .037 .043	.032 .007 21 .032 .039 .043
				.026 .005 <b>5</b> .025 .030 .035	.026 .005 5 .025 .030 .035
				.042 .013 .11 .035 .058 .062	.042 .013 11 .035 .058 .062
	. 046 . 051	.011 5 .052 .055		.043 .010 13 .039 .050 .063	.043 .011 18 .043 .052 .063
	. 054 . 056	. 006 13 . 060 . 063		.048 .C15 .11 .040 .067 .069	.052 .012 24 .050 .062 .069
	. 051 . 053	.012 11 .060 .062		.042 .012 6 .038 .054 .062	.048 .013 17 .052 .060 .063
	.062 .062	002 5 .064 065			.062 .002 5 .062 .064 .065
	.073 030 19 .070 .063 108 .127 .055	.026 10 .091 .129	· .		.072 .029 .29 .062 .107 .134
	. 065 . 058	.024 17 .086 .117			.065 .024 17 .058 .086 .117
	. 095 . 095				.095 .019 2 .095 .108 .113

## TABLE III. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR MARCH (f) Flight level 390

CODE:	MEAN ST. DI 50% 84%	i			MARCH FL 390
					MEAN
			844 000 2 .711 125 52 844 844 844 .741 826 910		.716 .126 5 .744 .836 .90
			.695 124 66 .651 169 59 .703 .605 .900 .630 .800 1.099	.644 .154 32 .377 .025 21 .699 .781 .885 .371 .396 .437	.634 .170 17 .643 .795 .93
			.632 .152 119 .599 .143 39 .633 .785 .935 .635 .729 .791	.614 .124 33 .361 .098 70 .563 .771 .860 .333 .473 .601	.541 .098 27 .551 172 28 .520 .655 .748 .543 .719 .87
			.571 .255 122 .461 .263 42 .610 .776 1.041 .404 .721 984	.674 .202 18 .178 .185 106 .560 .947 1.016 .136 .250 .826	.382 .108 .45 .412 .279 .33 .396 .519 .551 .407 .716 .99
.184 .105 .225 .278	14 329	.644 .198 .21 .716 .792 .923	.543 .227 95 .383 .209 59 .613 .753 .843 .446 .597 .683	.680 .193 68 .159 .133 198 .682 .888 1.004 .137 .222 .597	. 293 1 . 369 . 276 . 45 . 212 . 689 . 92
.079 .048 .074 .088 .	23 210	.472 .256 <b>93</b> .457 .756 . <b>873</b>	.402 .236 .43 .209 .196 .55 .450 .631 .798 .105 .462 .649	.432 .202 687 .128 .191 26 .488 .616 .786 .030 .509 .532	.404 .226 92 .455 .624 .80
.063 .005 .063 .066 .	2 067	.110 .102 <b>9</b> .065 .127 .350	.155 .061 .15 .328 .202 .96 .146 .225 .243 .326 .531 .684	.357 .241 354 .312 .655 .734	.339 233 47 .226 629 .72
		.015 .004 4 .014 .019 .021	.171 .136 359 .131 .262 .599	.206 .230 47 .078 .631 .652	.174 .150 41 .124 .277 .65
. 157	1	.023 .016 20 .014 .046 .054	.099 .062 286 .084 160 .268	.076 .039 26 .076 .094 .191	.093 .062 33 .081 .157 .26
····		.037 .023 14 .026 .073 .075	.092 .003 5 .088 .018 25 .092 .094 .097 .091 .105 .109	.075 .033 16 .094 .099 .102	.073 .031 6 .074 .099 .10
		.049 .018 10 .045 .070 .079	.032 .003 8 .032 .036 .037		.041 .016 1 .033 .060 .07
		.036 .006 5 .035 .040 .045		. 032 1	.035 .005 .034 .038 .04
		.028 .002 6 .028 .029 .029		.043 .003 2 .034 .005 6 .043 .045 .046 .033 .036 .044	.032 .006 1 .030 .039 .04
		.030 .005 6 .029 .033 .039		.049 .014 <b>8</b> .044 .063 .074	.041 .014 1 .035 .054 .07
		.044 .008 4 .049 .049 .049		.058 .012 6 .060 .067 .075	.053 012 1 .045 065 .07
		.040 .001 2 .040 .041 .041			.040 .001 .040 .041 .04
		.060 .008 7 .058 .067 ,075			.060 .008 .058 .067 .07
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TABLE III. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR MARCH

(g) Flight level 410

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ŀ													·· <del>·····</del>	<b></b> -	_ <del></del>				<del> </del>		
ľ								.580	<del></del>	1	.838 .794	.261 1.133	1.329				.961 . .966 1.	106 6 074 1.086	.868 .737 1	227	. 316
					. 737 . 729	132	. 935				.729 .726		15 1.011	.616 .585	.127 .720	. 11 . 684	.964 .939 1.	136 9 126 1.157	. 751 . 740	.190 .940 1	. 140
L					. 679 . 647	. 235 . 930	11 .953				.719 .759	.126 .855	15 . 883	.411 .445	.085 .489	. 519			. 627 . 607	. 206 . 864	35 946
L	.325 .086 7 .323 .411 .441		.660 .333 .660 .886	979	676 655	.054 .706	. 773				636 622	. 126 . 771	. 815	. 405 . 422	. 049 . 444	. 453	.561 .583		.559 .522	. 187 . 741	. 849 . 849
L	.437 .315 12 .300 .805 .835		1.039 .443 1.348 1.404	5 1.476				. 234 . 165	. 161 . 369	20 638	. 468 . 445	. 201 . 697	130 . 7 <b>95</b>				.814 .659	198 8 977 1.009	.471 .431	. 261 . 722	175 . 999
L	580 .260 .6 .627 .783 .932		.687 .071 .687 .735	755				. 698		1	. 264 . 152	. 211 . 550							. 334	. 255 . 615	45 786
L	.184 .078 6 .145 .267 .318										.090 .085	103	.110						.153 .129	.078 .224	. 313
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TABLE III. - Concluded. GASP AMBIENT OZONE DATA BY LATITUDE FOR MARCH

(h) Flight level 430

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				<del>                                     </del>				
			.738 .027 3 .751 .758 .762	+		. 738 . 751	.027 .756	. 762
		.705 .047 .717 .742 .759				.726 .717		17
····		.660 .202 15 .750 .652 .860	.725 .770 .896					15
		.750 .632 .661				1.00		
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TABLE IV. - GASP AMBIENT OZONE DATA BY LATITUDE FOR APRIL (a) Flight level 290

																							ME	AN	
							***************************************				<u> </u>			]											
											.112		1	1			<b>†</b>						.112		
																				. 191 . 224			.191	. 107 . 319	. 32
														. 150 . 150	. 059 . 190	. 207	093	.081 .105	. 297	.089 .061		. 336	. 093 . 061		. 32
	331										.128 .080	. 095	.310	. 463		1	.122 .089	.078 .183	.317	. 054 . 053	.005	. 061	.121 .079	. 105	. 37
	35 243		•					.041	. 002 . 042	. 043	.071	.053 .072	. 215	.083 .057	.105	. 457	.082 .074	.020	. 122 . 122				.085 .064	. 074 . 109	. 30
	138				. 050 . 057	. 026	. 107	:017 :017	.003	.019	.065 .071	030	. 121	. 103	. 054 . 170	. 181							.062	. 035 . 090	. 16
057 .017 050 .078 ,	083										.059 .067	.021 .077	085	. 076 . 075	.006 .082								.063 .071	.019 .077	
		. 045		1							.071 .073	013	. 090	. 075 . 071	.008 .081	. 088				<u> </u>			.070 .070		. 0
			.011	. 060							.072 .071	.038 .098	24 154							<u></u>			. 065 . 061	. 037 . 0 <b>9</b> 5	. 15
		. 057 . 056	.033 .081	. 100	.011	005	. 019				.030 .016	.021	12 067	. 041		1					, <b>.</b>		.031 .015	. 026	, oê
		025	.007 .030	. 034				.016 .017	.002	. 018	014	.003	.018				. 064 . 064	.033	. 096				.025 .018	.022	. oa
		024 023	.003	. 028	·			.019	0.000	.019				. 051 . 051	.005 .054	. 056	.032	.002 .034	. 036				.030	.010 .037	, . 05
						0.000 .021	. 021										<u> </u>			<u> </u>				0.000	. 02
<del> </del>					. 022 . 021		. 029							<u> </u>						<u> </u>			.022	004	. 02
					. 025 . 025		. 033						· · · · · · · · · · · · · · · · · · ·	ļ			ļ			<u> </u>			.025 .025	005	. 03
					. 027	.001 .027	. 028	.008		1										<u> </u>			024 026	007	. 02
<del></del>					. 028 . 027	.004	. 034	.023 .021	009	. 039							. 031		1				.026 .025	.007	. 03
<del></del>					. 037	.006	047	.042	.013	. 062	<u> </u>		_,				<u> </u>			<u> </u>			041	012	. 06
·					. 035		1	.036	.010	. 056										<u> </u>			.036	010 045	. 05
					. 033		1	. 047 . 027	.051 .041	. 167	ļ						<b> </b>			<b></b>			046	. 049 . 040	. 16
								. 025		1				<u> </u>									. 025		

### TABLE IV. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR APRIL

### (b) Flight level 310

APRIL

MEAN ST. DEV. CODE: FL 310 50% 84% 98% MEAN LAT 70N 70N .142 . 159 60 035 .146 .131 .113 .354 074 .010 . 082 55 .149 .128 .072 .318 . 132 .132 .125 .082 .335 . 357 145 .027 170 .292 .008 .292 .297 . 300 50 24 097 .041 085 .116 .050 .006 .050 .054 . 056 .023 .002 .024 .025 . 025 .046 .030 .035 .078 .063 .062 .076 047 .070 094 097 .078 055 .140 . 020 .056 .054 .045 .079 .078 011 .075 092 109 .014 .010 .069 .024 .068 .081 .041 .009 .033 14 .067 .039 .090 .096 . 099 .070 .021 .076 .093 25 .069 042 .064 104 .011 . 064 .024 .028 .014 .015 20 .037 015 .042 053 038 .002 3 .039 .040 .040 . 062 15 . 020 .020 006 .018 025 .005 . 031 .007 . 039 053 .006 052 .059 . 062 .017 .002 10 052 .001 052 .053 . 039 . 021 0 . 033 .005 .031 . 037 . 035 . 026 5 . 039 .027 .004 . 032 10 037 007 037 043 , o36 15 .009 . 040 20 25 .036 .006 .034 .044 .039 .017 10 .047 .053 .053 30 .031 .012 35 025 0.000 025 025 40 **45**S **45**S 15E 15E 60E 105E 150E 165W 30W 75W 120W

TABLE IV. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR APRIL

(c) Flight level 330

CODE:	MEAN ST. DEV. N 50% 84% 98%				APRIL FL 330	
						MEAN
	÷					
				. <b>434</b> 1 .211 .137 12 .139 .339 .481	120 051 10 108 162 228	.181 .126 23 .120 .298 .473
				.223 .110 17 .307 .090 9 .223 .322 .440 .276 .371 .489	.160 .106 28 .116 .273 .400	.204 .118 54 .138 .342 .454
		.320 .19 .217 .55	3 22 089 168 10 2 ,623 023 088 500	.364 .175 18 .095 .066 18 .355 .572 .600 .078 .094 .265	.204 175 58 .103 .460 .575	.223 .190 126 .099 .483 .605
		. 498 . 22 . 613 . 65	0 9 9 680	.178 .117 14 .231 .171 .29 .108 .323 .336 .113 .455 .533	.121 .115 21 .063 .186 .440	222 192 73 107 454 655
.070 .081 8 .041 .046 .252		.047 .04 .029 .08	3 22 .176 .172 17 4 .155 .075 .443 .490	.257 .181 23 .251 .222 46 .238 .464 .656 .143 .580 .703	.131 .083 3 .081 .195 .241	.189 .194 119 .096 .438 .685
.168 .135 .28 .100 .303 .437	. 06 . 06	8 .022 14 .063 .05 8 .085 .113 .056 .12	1 :38 :132 :101 30 1 :173 :093 :245 :346	.233 .209 61 .137 .104 12 .112 .513 .649 .102 .185 .394		.152 .157 183 .084 .280 .631
.073 .044 35 .049 .105 .185	. 09 . 07	2 .097 24 .063 .02 3 .105 .346 .069 .08	3 25 .093 .065 131 7 .104 .074 .134 .324	.128 .109 17 .079 .168 .430		.089 .069 232 .067 .115 .330
.051 .007 13 .054 .058 .059	.054 .017 24 .07 .046 .072 .088 .07	7 .003 3 .075 .00 7 .080 .081 .071 .08	7 7 .067 .024 141 3 .084 .068 .089 .112	.102 .047 28 .091 .142 .211		.070 .030 216 .065 .090 .145
.045 <b>004 3</b> .045 .048 .050	.050 .014 16 .06 .046 .057 .083 .07	9 010 <b>8 103</b> 01 5 077 078 096 12	8 .074 .038 120 5 .131 .074 .097 .169	.054 .022 39 .048 .084 .098		.069 .034 194 .084 .094 .162
	042 009 10 05 044 049 054 05	5 011 3 .039 .04 2 064 069 .015 .06	40 .079 .051 .28 1 .185 .069 .122 .213	.044 .011 19 .049 .005 2 .045 .050 .065 .049 .052 .053		.052 .044 102 .025 .086 .185
	.040 .016 7 .01 .050 .056 .057 .01	9 .009 2 .014 .00 9 .025 .028 .014 .02	3 14 .021 .015 7 2 .025 .014 .037 .050	.050 .005 5 .046 .007 4 .050 .054 .057 .046 .054 .058		.028 .018 39 .022 .051 .057
	026 005 17 026 032 034	.014 .00 .014 .01	3 .013 .001 4 3 .016 .013 .014 .014	.043 1 .035 .004 5 .036 .039 .042		.025 .009 30 .024 .033 .042
	.032 .009 20 .030 .043 .051	.019 .00 .020 .02	1 13 0.000 1 2 .025	.024 .004 8 .024 .029 .031		.026 .010 42 .022 .034 .047
	.025 .010 10 .02 .021 .037 .041 .02	8 .004 3 .016 .003 7 .032 .034 .016 .019	16 022	.037 .010 8 .036 .048 .054		.024 .011 37 .021 .035 .051
	.028 .004 4 .027 .031 .035	.010 .000 .012 .01	21 5 .021	.049 .013 9 .040 .062 .069		.023 .019 34 .013 .039 .065
	.035 001 6 .036 036 036	.018 .000 .015 .020		.048 .008 7 .049 .055 .058		.025 .014 44 .020 .036 .055
	.037 .004 6 .03 .038 039 .041 .03	2 .004 2 .022 .000 2 .035 .036 .024 .029	24	.052 1		.026 .010 33 .025 .036 .045
<u>.</u>	.035 .008 5 .03 .031 .043 .046 .03	3 .004 9 .023 .000 5 .036 .036 .022 .03	31 033	. 038 1		.026 .008 46 .025 .035 .042
	. 034					.025 .013 .45 .023 .037 .057
	. 030					.033 .014 63 .032 .046 .059
	. 031					.039 .018 40 .029 .057 .075
	. 035					.035 .008 13 .033 .045 .047
			· · · · · · · · · · · · · · · · · · ·		11	

# TABLE IV. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR APRIL (d) Flight level 350

		CODE		MEAN 50%	ST. D		N 98%																	PRIL L 350				
																									M£	AN		LAT
70N																616 633	.080	. 702	. 547 . 560	.106 .657	690				. 555 . 563	.106 .663	35 . 698	701
65													. 299 . 172	. 225	. 695	. 504 . 572	. 159 . 643	43 683	.340 .370	. 161 . 507	. 590	. 258 . 189	. 144	10 . 449	. 369 . 388	. 207 . 589	141 .682	65
60										.150 .087	130	.412	.378 .123	. 295 . 733	. 795	. 454 . 499	. 178 . 632	100 709				. 166 . 167	. 051 . 208	. 225	.414 .466	632	130 .761	60
55										. 498 . 557	205	. 786	. 249 . 178	. 176 . 422	. 587	.377 .415	. 191 . 564	129 .664	.412 .448	.216	19 . 656	. 270 . 120	. 220 . 577	. 633	. 378 . 404	212 603	. 708	55
50										. 459 . 512	. 193 . 629	. 741	. 292 . 167	. 225 . 574	36 663	. 303	. 225 . 588	119	328 307	. 230 622	. 722	. 147 . 102	. 109 . 246	63 . 467	. 306 . 225	. 225 . 589	373 . 723	50
45	. 251 . 209	149 415	23 .464				. 153 . 122	137	. 338	. 329 . 361	. 228 . 599	. 702	. 270 . 160	. 244 . 618	. 757	. 253 . 240	. 179 . 430	153 .709	.418 .505	.211 .619	30 664	.161 .118	.138 .291	. 462	. 278 . 245	. 209 . 513	359 709	45
40	. 237 . 227	.143 .380	34 . 4 <b>8</b> 0				. 138 . 064	.170 .328	. 32 . 572	. 186 . 162	133	38 538	. 195 . 084	. 205 . 505	70 675	. 211	.183 .458	205 . 634	. 263 . 210	.158 .450	. <b>5</b> 71	Ī			. 204 . 094	. 180 . 420	. 633	40
35	.082 .065	059	. 290				. 084 . 072	.052	. 203				. 090 . 074	.073 .118	282 .384	. 184	. 160 . 321	30 640	. 275 . 252	.102 .359	. 403				.098 .075	. 087 125	366 . 408	35
30	.049	013	. 072							. 090 . 094	.023	. 121	. 086 . 075	.050 .123	354 236	.077	. 040	. 115	. 165 . 170	.069	. 262				.086 .075	. 050 . 122	404 236	30
25							. 066 . 065	.008	. 077	. 090 . 087	.033	. 154	. 095 . 085	.056	258 . 271	.093	.029	18 . 145	. 044 . 042	.006	. 053				.093	.052 .128	318 .249	25
20							. 061 . 061	.007	. 068	. 053 . 042	043	. 165	.090 .082	. 057 . 143	. 230	.047	.019	. 094	. 058 . 058	.002	. 060				.068	.051	154 . 206	20
15				. 029		1	. 023 . 008	.025 .058	. 071	. 022 . 021	.013	60 .053	019	.009	. 036	.050	.016 .058	. 096							. 027 . 025	. 020 . 047	129 .071	15
10				.016 .016	. 004 . 020	10 022				. 010 . 010	001	.011	023	. 026 . 006	. 029	. 050 . 051	007	15 .062	043 045	.009 .051	. 053				.033	017	. 061	10
5				025 022	.009	039				.015 .015	.005 .020	. 021	026	.002	. 028	. 052 . 052	005	. 056	033	005	. 044				.028 .028	010	. 049	5
0				. 031	.007	. 040	.018	.006	. 031	.019 .019	004	. 026				,			. 034 . 036	005	. 041				.026	.009	. 041	0
5				. 026 . 026	.006	. 034	.013 .013	.002	.015	. 017 . 015	. 006 . 023	. 029							.031	005	. 039				.023	. 009 . 032	. 038	5
10				. 023	.002	. 025				.017 .017	.005 .022	. 023							.043 .043	.005	13 059				.027 .022	.014	. 058	10
15				.024	.003 .027	029	.018	.003	. 022	.016	.007	. 026							.038	.015	15 .051				. 025 . 022	.014	. 049	15
20 [							.017 .016	.002	. 021	.023 .020	.017	. 45 . 075							.051 .051	005	. 055				.023	.017 .027	. 075	20
25							. 027 . 026	.003	. 033	.022 .016	.018 .046	. 062													.023	.017	. 062	25
30							. 043 . 045	.004	. 047	. 042 . 043	. 027 . 065	36 097													. 042 . 045		. 092	30
35 [							.031	.017	. 059	. 070 . 073	.021	. 101													.063 .070	. 025 . 087	. 100	35
40 [																												40
45S [																												455
1	5E		60	DE		109	É		15	OE		1	65W		12	20W		7	5W		3	OM		1	5E			

# TABLE IV. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR APRIL (e) Flight level 370

CODE:	MEAN	ST. DEV.	N
	50%	84%	98%

APRIL FL 370

																								ME	AN	
ıĹ															. 585 . 565	.092 .614	. 776	.616 .611	. 065 . 698	. 709				.603 .585	. 078 . 694	. 767
												485 542	.227 .712	. 792	.631 .637	.078 .690	. <b>29</b> . 777	. 434 . 443	.118 .559	. 606	.518 .553	.080 .589	. 597	.510 .361	. 196 . 695	136 792
									.408 .379	.223 .631	. 827	.513 .561	. <b>234</b> . 780	125 .853	. 496 . 531	. 155 . 648	. 77 . 714	.579 .606	. 153 . 716	. 807	. 388 . 436	. 160 . 539	24 . 599	.496 .537	. 206 . 688	275 839
									. 573 . 561	. 173 . 767	68 . 864	.448 .485	.197 .646	60 . 746	413	. 202 . 616	. <b>789</b>	.317 .203	. 239 . 556	. 780	. 352 . 347	. 224 . 596	. 72 . 768	.443 .281	. 221 . 675	248 . 826
									. 477 . 565	262 727	46 827	. 278 . 204	. 199 . 502	. 698	435 591	. 248 . 645	29 703	. <b>395</b> . 402	. 125 . 505	. 625	. 279 . 296	. 179 . 441	69 . 633	. 352 . 235	. 217 . 597	266 . 740
. 36	67 .074 97 .421	. 456	. <u></u> .,,			654 654	.036 .678	. 68 <b>9</b>	261 141	. 219 . 547	111 .699	. 230 . 144	. 230 . 550	93 .700	404 450	. 257 . 664	. 822	. 240 . 153	. 196 . 497	. 64 . 633	. 320 . 369	. 163 . 449	31 . 603	. 286 . 191	. 230 . 594	363 753
4:	52 .012 52 .460	. 464				:175 :116	.130 .263	. 558	. 231 . 156	. 198 . 471	151 .719	. 230 . 137	. 205 . 430	142 .696	. 246 . 157	. 201 . 474	594 . 753	. 161 . 092	. 170 . 253	. 538	. 365 . 361	.072 .423	. 423	.239 .152	.199 .465	939 . 747
: 07	75 .002 76 .077	. 077				.184 .107	. 145 . 308	. <b>86</b> . 601	. 347 . 357	. 198 . 505	. 733	. 163 . 096	. 153 . 349	. 459 .608	. 237 . 145	.213 .528	. 78 . 755							. 184 . 103	. 169 . 374	664 678
: 13	27 .030 31 .159	. 159	.101 .104	. 007 . 107	. 107	. 102 . 090	.048 .128	. 29 . 235				.110	.078 .138	. 315 . 330										. 110 . 090	.076 .138	553 329
			.087 .103	.031	. 124	. 061 . 059	. 025 . 080	19				.105 .099	.050 .146	398 . 225										. 103 . 098	. 050 . 139	434 . 223
			. 040	.012 .050	. 059	.006	.004	. 013	.031	.034	. 118	.082 .079	.062 .109	. 275	053	.015	. 089							.055 .030	.052	. 140 . 187
			.029	.004 .034	. 035	.022	. 023	. 063				.023	.015	. 062	060 059	.021	. 101							.035 .027	. 027 . 061	112 .094
			.042	. 002 . 045	045				.015 .013	.007	10	.018	.011	. 039	059	.013	. 28 . 084	.054 .058	.013	. 26 . 074				.040 .043	. 022	. 96 . 075
									:011	.004	.019	.028	.004	. 036		***		. 027 . 028	.005	. 032				.018 .014	. 009 . 028	. 032
						.033	.002	. 036	.016	:015	17	033	.005	15 .042				.035 .034	.011	16 .060				.028 .030	.014	. 061
						.022	.004	. 028	:017 :016	.011 028	. 040	.028	.003	. 034				.048	.026	.117				. 028 . 026	.020 .040	63 .061
						.026	.007	. 036	.013	.009	25 .024	.024	. 004 . 027	. 029				.037	.003	. 043				.023	013	50 . 042
			. 026	<del></del>	1				.014	.009	. 026							.039	.008	. 055				.027	.015 .043	. 054
			.045	.008 .051	. 053				:010	.004	.013	<b></b>			† — —			.041	.013	. 062			- :	.033	.018	. 061
						.042	.002	. 045	017	.007	.031													.027 .026	.013 .042	. 045
						. 035		1		~				<del></del>										.035		1
						. 026	008	. 034				<del>                                     </del>							·					.026	.008	.034
				·-· · · · ·		1					<del></del>				<b>†</b>			<b></b> -								
Γ-				,								<del>                                     </del>	<u> </u>		<del>                                     </del>			<del>                                     </del>			<b> </b>					
15E		60	E		10	5E		15	OE		1	65W		3 -	20W		7	5W		3	OW		1	5E		

## TABLE IV. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR APRIL

## (f) Flight level 390

CODE: MEAN ST. DEV. N 50% 84% 98% APRIL FL 390

																						m <u>c</u>	AN	
										1						]								
							.619 .624	075 684	. 715	. 588 . 596	.128 .712	130 .810	. 611		1							. 589 . 601	126 713	135 809
							. 626 . 665	177 802	135 . 888	.491 .427	.310 .835	. 960	.571 .630	170 731	14 . 790	. 590 . 605	.068 .634	13 . 693	. 607 . 624	. 140 . 683	. 890	. 585 . 461	. 219 . 797	256 . 914
							656 668	. 195 . 821	143 1.116	. 591 . 638	.186 .712	40 . 906	.622 .670	. 125 . 725	17 . 793	. 554 . 497	.172 .713	55 . 936	.497 .479	. 151 , 635	. 70 . 866	.595 .612	. 189 . 778	325 965
							643 658	. 170 . 819	. 916	.311 .288	. 189 . 487	43 . 725	. 367 . 406	232 601	32 738	.506 .499	. 175 . 656	. 837	.443 .419	. 192 . 608	. 19 . 614	. 482 . 344	. 230 . 715	198 . 877
83				. 576 . 637	. 283 . 853	. 892	. 422 . 432	. 239 . 723	138 .859	. 374 . 352	. 232 . 636	110 .819	. 436 . 364	322 805	129 . 995	.436 .412	. 164 . 640	. 666				.421 .416	. 262 . 730	441 . 927
				. 397 . 395	. 270 . 701	. 46 . 857	.375 .414	234	. 793	.386 .401	. 235 . 635	176 . 789	.282 .201	212 551	545 832	. 461 . 393	136	. 724				.320 .229	. 228 . 594	853 821
				. 298 . 283	. 187 . 505	. 577	. 342 . 328	.171 .443	679	. 189 . 152	.114 .274	129 . 550	245 192	.182 .393	121 .817							.223	.158 .355	269 . 729
				.067 .063	00 <b>9</b> 072	. 083	.119 .109	.031 .154	. 184	. 135 . 115	.064	129 .270	.120 124	.031	16 .171							129	059 198	172 . 266
1				.076 .078	.007	.087				. 167 . 145	.100	112	.081 .092	.031	. 14 . 116							147	.097 .238	144
				083 073	.015	. 105	.083	.007	. 091	: 147	058 213	22	.100 .107	.022	.115	. 051 . 053	.007	. 058				.113	055 170	. 245
:0	947 0 947 0	13 56 .	059										.052			.052	.002	. 055				.051	.012	. 074
										.045	.006	10 .055				.044	.008	. 050				.045	.006	13 . 055
. 0	17		1				.038 .037	.007	. 048	.037	.010	. 051				. 038	.006	.049				.037	.009	19
							.050	.007	. 059	.024	.001	. 025				. 035	.003	.040				.036 .035	.010	13 . 056
										.066	.026	. 086		· · · · · ·		.043	.002	045			· · · · · · · · ·	.058	.024	. 086
							.072	.004	. 075	.051	.026	. 086				.041	.003	.045				.054	.019	16 .084
					-		.069	.004	.075	.038	.011	. 054		<del></del>		. 036	.003	.038				.050	.017	12 074
.0.	49 0 49 0	04 52 .	053							025 025	002	. 028										.030	.010	10 .052
		•		.045	rdus president	1	.019	004	. 026	024	003	. 027				,,					· · · · · · · · ·	.023		.042
				.040	.001	. 040				<b>†</b>		•	<del>                                     </del>									<b></b>		. 040
					· · · · · · · · · · · · · · · · · · ·	~				1			<b> </b>	<del></del>								<del></del>		. 141
	···									<b>1</b>		*********							<del></del>					
										1			<del>                                     </del>											
		.047 .0	1	.047 .013 .2 .047 .056 .059	.047 .013 .2 .047 .056 .059	397   270     395   701     288   187     283   505     067   009     063   072     076   007     078   083     083   015     047   013   2     047   056   059     017   1     049   004   2     049   052   053     045	.397 .270 .46   .395 .701 .857   .298 .187 .11   .283 .505 .577   .067 .009 .083   .072 .083   .076 .007 .17   .078 .083 .087   .083 .015 .7   .083 .015 .7   .047 .013 .2   .047 .056 .059   .073 .100 .105	1	1		100   100				1			Second   177   135   1	1.00			1.666		

TABLE IV. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR APRIL

(g) Flight level 410

		CODI	2: [	MEAN 50%	ST. D		N 98%																	PRIL L 410				
																					-				ME	AN		_ Li
70	N			Ţ																								] 71
65										.418		1	.460 .460	. 466	. 497											. 038 . 474	, 496	69
60										. 698 . 764	. 154 . 836	13 . 916				.461 .456	. 130 . 561	6 67 <b>5</b>							, 623 . 648	184 803	. 909	60
55										. 690 . 669	.170 .868	80 1.016				. 342 . 193	. 205 . 595	15 .636		. 086 . 515	. 669	.416 .424	. 043 . 456	. 472	. 594 . 601	.211 .772 1		5
50										. 765 . 776	. 192 . 967	123 1.098				. 666 . 630		. 22 . 230		.130 .471	. 662	.549 .538	. 221 . 794	. 995	. 659 . 640	. 246 . 935 1		51
45	604 675	. 100 . 677	. 688				. 614 . 602	. 19 . 74	3 23 9 1 079	. 676 . 645		106 1.121	.397 .433	. 201 . 587	104 .735	363	. 258 . 741			. 141 . 520	. 730	.471 .454	.073 .537	. 600 . 600	.503 .515	. 240 . 723 1		4
40	576 593	.060 .620	10 .681				. 449 . 438	. 25 . 72	1 101	. 468 . 458	. 045 . 486	. 565	.435 .440	. 247 . 644	117 1.035	.342 .328	. 181 . 499	181 . 769	. 280 . 355	. 115	. 367				:401 :397	. 619	421 921	4
35	.375 .411	. 191 . 608	. 655				. 188 . 096	. 18 . 40	29 5 .632				. 443 . 309	333 702		. 346 . 191	. 262 . 625	. 860							.298 .203	. 240 . 547	69 854	] 3
30	.085 .080	.020	14 .133				. 103 . 106	.01	1 18 9 .116				:141	.034 .173	. 222 . 222										.114 .106	. 034 . 135	54 . 201	] 3
25	. 061		1				074 073	. 01 80	9 20 6 119				150 138	. 043 . 182	. 24 . 258							<u> </u>			.114 .108	.051 .167	. 255	2
20				.109 .104	.018 .122	. 145	. 071 . 063	. 02	4 13 9 .120				.096	105	. 107										.089 .078	. 025 . 107	. 135	2
15				. 060 . 058	013 073	. 078	. 045 . 041	. 01	3 12 9 .071				.053 .047	.022	. 092 .							<u> </u>			.050 .047	.017 .066	. 083	1
10							.032	.01	0 7 1 .0 <b>50</b>				.040	.007 .046	. 050										.035	.010	10 051	
5				.017		1	.018 .018	.00	3 2 9 .020													<u> </u>			:017	.002	. 020	
0																									<u> </u>			
5																									<u> </u>			
10																									Ц			]
15										. 060		1													.060		1 	
20										.036	.005	. 041													.036 .038	.005	. 041	] 2
25										.026 .026	004	. 029	. 052 . 046	. 022 . 079	. 085										.046 .034		. 085	
30										. 079 . 074	.012 .095	.096	.078		1										.079 .076	.011 .095	.096	] 3
35										. 126 . 108	.048 .193	. 199													126	.048 .193	. 199	] 3
40																						<u> </u>			Ш			]'
45	s																								5E			] 4

#### TABLE IV. - Concluded. GASP AMBIENT OZONE DATA BY LATITUDE FOR APRIL

(h) Flight level 430

CODE: MEAN ST. DEV. N
50% 84% 98%

APRIL FL 430

·				,			MEAN
					1		
							·
			.530 .099 9 .515 .577 .734				,530 .099 .5 .515 .577 .794
			.695 .114 13 .667 .803 .901			.379 .074 4 .345 .430 .497	.620 .171 17 .633 .786 900
		.675 .127 15 .630 .812 .906	.704 .153 .15 .715 .831 .976		384 105 42 401 486 562	294 038 9 308 326 340	.487 .195 81 .469 .718 .506
		.490 .156 .41 .511 .654 .765		.409 .063 10 .438 .459 .462	.260 .127 45 .236 .404 .543	.356 1	.373 .174 97 .347 .553 .709
		.289 .127 5 .248 .374 .506		.270 .067 4 .267 .332 .358			.280 .105 9 .248 .345 .495
				.315 .097 10 .295 .434 .461			.315 .097 10 .295 .434 .46
				.190 .011 2 .190 .197 .201			.190 .011 .190 .197 .20
		.072 .006 3 .069 .076 .080					. 072 . 006 . 068 . 076 . 06
	081 002 4 080 082 083	.076 .006 4 .077 .081 .082					078 005 080 082 08
						·	
			. 073 1				. 073
			T-P				
			.184 .061 24 .218 .236 .250				184 061 2 218 236 25
· · · · · · · · · · · · · · · · · · ·							
<del></del>			· <del>- · · · · · · · · · · · · · · · · · ·</del>	<u> </u>			

TABLE V. - GASP AMBIENT OZONE DATA BY LATITUDE FOR MAY

(a) Flight level 290

		CODE		MEAN 50%	ST. DE		N 98%																		M/ FL	. 290			
																											ME	AN	
70N							T				<u> </u>																		
65								··												•									
60							1				l																		
55																								.068	.047	. 173	.068	.047	8 73
50								·																. 050 . 058	.021	. 064	.050 .055	.021	22 84
45	.077	.040	21 170											. 0	24		1	. 070		1	. 095		1	.072 .089	.025	. 096	.075 .059	.036	32 48
40	.055	.038	35 135											.0	12 58 .	025 061	. 062	. 100 . 079	.058 .194	. 16 . 198	.054 .049	.043	. 160				.065 .037	.048 .101 .1	66 98
35	.045	023	12				. 06	32 . C	020	089							. 126	.071	.031	. 113	.062	011	. 076				.059 .055	.028 .081 .1	33 20
30																		.074 .071	.027 .097	. 107	.063	.012	, 075				.069 .057	.022 .082 .1	6 90
25				. 035		1	. 04	11 .0	009	. 053				:0	56 . 68 .	017 069	. 069	. 064		1	. 047 . 047	.005	. 053				.048 .047	.013 .065 .0	12 069
20				. 036		1	.07			. 087							. 098										.055 .053	.023 .078 .0	25 97
15				046 046	,003	. 049	. 04		010 052	.055								. 023		1							.044 .046	010 052 0	16 055
10	-			.027	.010	045	. 02		003 028	. 031								. 027	.001 .026	. 028	. 036	.021	. 064				. 029 . 025	.013 .037 .0	18 062
5							. 01		004	. 025								. 017		1							.018 .016	.004 .020 .0	5 025
0							: 81			.019																	.014 .013	.003 .015 .0	7 219
5							. 02		007	. 034			············														.024	.007 .031 .0	5 034
1,0							. 02			. 032																	.029 .028	.002 .031 .0	032
15											.031	.003	. 03	2 .0	01		1										.021 .028	.014 .032 .0	3 034
20											. 034	.009									. 022		1				.030	.009 .037 .0	042
25												· · · · · · ·									:818	.000	.010				:010 :010	.000 .010 .0	010
30							. 01	7		1																· · · · · · · · · · · · · · · · · · ·	.017		1
35							.02	22 . (	002	. 023	.025	.011	. 03	4													.024	. 009 . 034	036
40						***************************************	T	<u> </u>	<u> </u>		1,000												-		•				
455														1											,		11		

TABLE V. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR MAY (b) Flight level 310

CODE:	MEAN ST. DEV. 50% 84%	N 98%			MAY FL 310	
						MEAN
			. 199			199 1
				.021 .003 9 .019 .023 .027	.064 .040 10 .045 .119 .126	044 037 15 024 083 125
				.028 .016 6 .019 .042 .058	.153 .168 28 .053 .401 .456	131 160 34 050 398 453
			.121 109 2 .121 195 .226	.170 .086 12 .185 .251 .305	.079 .045 33 . .072 .104 .198 .	104 .073 47 074 .186 .279
202 205			.016 .002 3 .015 .018 .019	.092 .019 2 .105 .039 12 .092 .105 .110 .097 .143 .177	.097 .007 4 .094 .102 .108	089 .043 21 093 .111 .174
082 .025 1 076 .106 .13	I .		.021 .026 16 .016 .023 .092	.088 .063 51 .077 .043 5 .076 .133 .277 .070 .102 .147		074 .057 87 068 .099 .235
055 022 T 057 078 08		111 .030 8 .116 .05 103 .133 .170 .087 .15		.091 .063 4 .063 .137 .190		064 .047 75 055 .087 .195
044 .061 .08	. 1	<u> </u>	.056 .026 27 .061 .080 .096	.039 .011 3 .038 .048 .052		059 .025 59 055 .084 .112
043 .003 044 .045 .04	7 .042 .009 8 .042 .052 .054	.052 .02 .045 .05		. 036 1	:	047 .019 54 043 .055 .105
		.073	.047 .023 28 .050 .073 .091	.035 .001 2 .035 .036 .036	.:	047 .023 31 049 .073 .090
	.043 1	.043 .014 19 .045 .055 .068	.031 .015 20 .030 .044 .065	.024 .016 12 .021 .044 .053	.:	034 .017 52 035 .051 .072
	.041 .001 4 .041 .042 .042	.009 .000 .008 .010	3 .020 .003 3 5 .020 .021 .022 .023	.020 .005 7 .017 .008 12 .019 .025 .029 .020 .023 .025	1:5	021 .011 29 020 .027 .042
	.020 .012 3 .014 .029 .035	.019 .01: .027 .020	3 3 3 .029	. 008 1		018 .012 7 014 .029 .035
	.037 .005 4 .035 .041 .045				1:5	037 .005 4 035 .041 .045
	.032 .004 5 .032 .036 .037			021 005 4 021 024 027		027 .007 9 027 .034 .037
,	029 .011 6 .027 032 .050	.034 .004 .034 .036	2 .030 .002 2	.022 005 6 .023 026 027		027 .008 16 026 .031 .048
	.040 .006 5 .040 .047 .050	.027 .002 7 .028 .030 .031		.018 .005 <b>2</b> .018 .021 .022		031 .009 14 029 .040 .049
		.033 .006 21 .032 .039 .044				033 .006 21 032 .039 .044
		.039 .012 16 .027 .006 .041 .052 .057 .026 .031	. 036		1.0	036 .012 21 037 .047 .057
		.036 .032 29 .064 .058 .027 .034 .143 .035 .136		.036 1		049 .048 57 029 .078 .180
		.027 1				027 1
			-			
E	60E 10	5E 150E	165W 12	OW 75W 30		

TABLE V. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR MAY (c) Flight level 330

		CODE		MEAN 50%	ST. D 84%		N 98%																MA FL	330			
																									ME	AN	
							T									<u> </u>											
							1						. 265		1										. 265		
												· · · · · · · · · · · · · · · · · · ·				. 536 . 542	.024 .557	. 559	.211 .108	.174 .392	. 568	. 358 . 399	. 185 . 553	. 592	. 293 . 165	. 197 . 531	. 5
													·	.088	10 . 258	.485 .470	. 055	. 558	.063 .055	.032	. 130	.068 .061	.029	. 154	.093 .042	113	. 50
Ċ		018 068	. 080							.038	.023 .049	. 088	.079 .067	.085 .129	. 304	. 250 . 138	.172 .492		:115 :070	111	. 404 . 404				: 117	. 122	. 49
1		041 150	. 187 . 187							. 176 . 131	.114 .326	. 428 . 428	1	144	. 463	. 130 . 097	.112	. 494 . 494	.113 .082	.092 .198	. <b>33</b> 1				.133 .074	109 191	. 49
Ç		039 126	. 132	<u> </u>			.063 .068	.031	. 098	.050 .022	.037	. 104	.081 .061	.079 .093	. 387	. 084 . 066	.055	. 2 <b>2</b> . 240	.088 .085	.024 .106	. 132				.075 .061	.065	. 34
C	33	017 064	. 068	. 062 . 059	016	. 094	.057 .052	.018 .076	15 .081				071 073	.038 .101	. 145	:094 :077	.078 .121	. 365	.042 .032	.015 .054	. 063				.071 .054	.047	. 18
_			-	. 095		1	. 067 . 065	.010 .076	. 088	. 058 . 055	006	. 075	.073 .057	.094	98 249	.056 .048	. 028	. 114	.031 .031	.001	.032				.067 .057	.074	, 10
_				130	.010	. 140	. 075		1	. 061 . 052	025 094	. 107	.056 .054	. 025 . 075	. 111	.048 .030	.036 .076	. 133 . 133	.050 .045	.019 .071	. 07 <b>5</b>				.059 .033	028	. 13
_							. 036 . 037	.019 .053	. 071	. 040 . 034	023 066	. 092				.027	.007 .031	. 031	030	.006	. 040				.038 .032	.021 .059	. 08
_				.014		1							. 025		1	.038	. 002 200	, 039	. 040 . 035	.014 .048	. 065				.035 .035	013	. 06
_				017 017	.003 .020	. 021				. 033		1				:014	0.000	,014	. 024 . 024	.003	. 029				.020 .020	.006 .027	. 03
				023 024	.004 .026	. 027													. 028		1				. 024 . 024	004	. 02
_				. 034		1																			. 034		
_				.017		1																			.017		
_							. 038 . 042	.007 .044	. 045	. 033 . 033	004	. 036	.030	005	. 036							<u> </u>			.032 .031	.007	. 02
							. 038 . 042	.010 .046	. 050	. 032 . 024	017 056	. 060							.014 .013	.008 .021	. 026				. 029 . 025	016 047	. 06
							. 027		1	. 038 . 038	.012 .051	. 057													.037 .037	012 051	. 0
_							.022	. 000	. 022	. 050 . 043	.025 .067	. 125													.048 .042	.025 .063	. 12
							. 047 . 044	. 00 <b>8</b> . 054	. 057	. 073 . 038	.065 .145	. 26 . 230													. 070 . 039	.062 .144	. 22
																									ı		

TABLE V. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR MAY

(d) Flight level 350

CODE:	MEAN ST. DEV. N			MAY FL 350
	50% 84% 98%			16 330
				MEAN
				.504 .038 6 .604 .038 6 .605 .643 .655
	•	584 009 4 585 592 594	636 010 2 636 643 646	.626 .014 4 .611 .026 .10 .630 .638 .641 .615 .638 .645
		552 185 9 646 673 690	500 110 19 .485 627 .658	.623 .070 8 .540 .136 36 .634 .690 .695 .535 .663 .694
		. 299 167 21 331 246 55 .303 509 577 260 649 661	.337 .195 .18 .282 .164 .55 .465 .504 .543 .248 .484 .611	.229 .192 100 .277 .203 .249 .125 .530 .631 .213 .553 .653
		267 225 38 253 541 636	. 193   162   23   .174   .151   122   .126   .374   .577   .118   .290   .655	.206 .172 .86 .199 .174 .269 .138 .414 .575 .129 .357 .625
.031 .018 19 .038 .043 .065		.101 .097 10 .263 .213 .45 .062 .146 .323 .182 .534 .669	.129 .097 33 .213 .168 69 .087 .249 .364 .128 .400 .601	.337 .249 15 .196 .186 191 .429 .613 .616 .098 .407 .631
.073 .064 37 .053 .131 .238	.315 .064 3 .340 .384 .401	212 176 13 087 048 60 128 325 596 080 102 262	.152 .137 218 .150 .111 6 .095 .229 .592 .078 .293 .323	.113 .022 2 .136 .126 .339 .113 .127 .133 .088 .202 .563
059 .045 16 044 .115 .149	.065 .011 2 .066 .073 .076	.055 .036 .11 .078 .061 .150 .082 .089 .096 .058 .119 .259	.139 .109 36 .116 .015 4 .088 .252 .433 .115 .130 .136	.086 .073 219 .064 .124 .339
.075 .051 16 .067 .128 .161	.033 .021 33 .019 .061 .074	.033 .025 8 .080 .050 234 .021 .056 .079 .077 .102 .261	.090 .005 2 .090 .093 .094	.074 .049 293 .069 .101 .245
	.008 .005 10 .006 .014 .017	.059 .024 89 .072 .034 201 .057 .067 .100 .071 .103 .148	.037 .005 10 .038 .041 .044	.065 .033 310 .056 .097 .132
	.006 .002 3 .057 .008 7 .005 .008 .009 .053 .064 .065	.050 .024 94 .067 .033 .61 .048 .072 .103 .060 .104 .133	.045 .013 10 .027 1 .040 .058 .072	.055 .029 176 .041 .080 .129
	.042 .011 6 .050 .026 57 .041 .054 .056 .052 .064 .113	.046 .026 40 .032 .016 19 .044 .076 .101 .027 .035 .078	.016 .011 24 .027 .003 8 .013 .027 .042 .028 .030 .032	.040 .025 154 .034 .059 .112
	.024 .008 5 .025 .004 4 .028 .031 .032 .026 .029 .030	.015 .000 3 .026 .008 23 .015 .015 .015 .027 .032 .043	.012 .006 16 .020 .015 12 .015 .017 .021 .014 .023 .058	.021 .011 63 .019 .029 .043
	.016 .001 6 .018 .002 5 .015 .016 .018 .017 .019 .022	.017 .005 5 .027 .012 16 .016 .022 .023 .023 .036 .054	013 006 5 014 017 019	.020 .010 38 .016 .026 .047
	.016 .007 10 .014 .001 4 .017 .021 .034 .015 .016 .016	.026 .010 18 .035 .001 2 .027 .036 .044 .035 .036 .036	.015 .004 6 .014 .016 .022	.022 .010 40 .015 .034 .042
	.025 .005 8 .022 .005 <b>9</b> .023 .030 .033 .020 .029 .029	.025 .011 16 .046 .003 2 .031 .038 .039 .046 .048 .049	.021 .008 8 .022 .030 .031	.025 .010 43 .025 .035 .044
	024 004 6 028 005 14 024 027 029 026 030 038	.024 .012 16 .040 .006 6 .024 .033 .048 .041 .044 .049	.022 .010 16 .018 .031 .040	.026 .010 58 .025 .034 .049
	027 005 6 032 007 12 028 031 031 031 039 046	.024 .011 12 .046 0.000 2 .022 .035 .042 .046 .046 .046	.017 .008 15 .015 027 .029	.025 .011 47 .026 .034 .046
	031 005 7 044 005 11 029 037 040 044 049 051	.030 .019 .20 .025 .035 .078	.013 .008 9 .015 .021 .025	.030 .017 47 .027 .045 .077
	029 008 8 028 033 042	.033 .017 27 .032 .048 .071		.032 .016 35 .030 .044 .068
	.025 .005 4 .024 .029 .032	.036 .015 .25 .032 .045 .075		.035 015 29 .031 043 .074
	.033 .010 8 .032 .039 .053	.102 .095 6 .053 .197 .268	.053 1	.062 .069 15 .033 .071 .250

TABLE V. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR MAY

(e) Flight level 370

	<del></del>		<del></del>				MAY
CODE:	MEAN	ST. DEV.	N		•		FL 370
	5/17/	8/29	08%				L 3/(

· · · · · · · · · · · · · · · · · · ·					_			MEAN
				.393 .037 2 .393 .418 .429	.653 .021 5 .659 .669 .684	.504 .122 8 .550 .588 .678	.596 .080 6 .639 .662 .669	.555 .118 .21 .569 .660 .690
			589 112 17 591 717 740	.499 .148 .55 .514 .639 .665	.522 .212 9 .636 .692 .720	.365 .205 19 .362 .624 .677	.615 .050 16 .619 .644 .700	.508 .170 116 .502 .650 .727
				.503 .247 31 .604 .715 .854	.493 183 24 .546 694 725	.289 .120 50 .266 .357 .632	.216 .156 43 .151 .336 .563	.360 .232 202 .246 .638 .768
			382 293 25 347 676 865	.461 .250 18 .612 .655 .718	.454 .190 13 .583 .603 .641	.232 131 96 .223 354 570	.274 .178 114 .240 .449 .642	.291 .198 266 .183 .560 .679
.182 .161 .15 .125 .376 .465			<del></del>	.324 .219 30 .303 .637 .664	.290 .213 34 .186 .599 .671	.257 .175 61 .200 .406 .702	.236 .192 21 .091 .484 .564	.267 .212 196 .176 .513 .739
		.079 .020 15 .080 .100 .104		.103 .110 59 .059 .163 .455	.211 .180 361 .129 .431 .567	· · · · · · · · · · · · · · · · · · ·		.201 184 539 .120 419 .673
				.119 .091 218 .093 .169 .391	.133 .095 66 .114 .190 .445	<del></del>		.119 .087 .359 .094 .170 .389
	.043 .012 15 045 .053 .058	T						.091 080 45 069 111 36
078		.093 .039 18				.085 .013 2 .085 .094 .097		.065 .031 35 .061 .097 .12
		<del></del>	<del></del>	♦· — <del></del>	<b></b>			.059 .035 18 .044 .085 .14
· · · · · · · · · · · · · · · · · · ·		<del></del>	·		.033 .016 51			.048 .026 14 .043 .071 .10
		1004 1070 1000		·		····		.037 .023 8 .026 .054 .09
						<del></del>		.026 .017 8 .025 .036 .06
		1	.027 .004 4 .026 .030 .032			<del></del>		.019 .013 80 .021 .032 .044
			.035 .017 12					.026 .015 79 .026 .043 .06
		1	· · · · · · · · · · · · · · · · · · ·					.027 .019 62 .011 .045 .070
		<del> </del>	<del></del>					.026 .013 70 .024 .037 .064
				7020 1024 1020		<del></del>		.030 .017 44 .022 .045 .07
*		027 005 3	<del></del>					.033 .007 13 .032 .040 .044
								.037 .012 16 .033 .048 .062
			.096 .030 5			.036 .043 .047		.055 .036 24 .038 .087 .136
			.093 .130 .131					.135 .003 2 .135 .137 .138
<del></del>		, 135 . 137 . 138			<del> </del>			,135 ,137 ,138
	. 183 . 118 . 23 . 156 . 279 . 466 . 085 . 025 . 12 . 093 . 105 . 117 . 042 . 020 . 15 . 042 . 065 . 071	.183 .118 .23 .156 .279 .466 .085 .025 .12 .093 .105 .117 .042 .020 .15 .043 .012 .15 .042 .065 .071 .045 .053 .058	. 183 . 118 . 23	182   161   15	182   161   15	182   161   165	Sys   1/2   740	Sep

TABLE V. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR MAY

(f) Flight level 390

CODE:	MEAN	ST. DEV.	N
	50%	84%	98%

MAY FL 390

																				ME	AN		LA
	,			Т							. 724 . 727	.034	. 766	<u> </u>						. 724 . 727	. 034	. 766	70
					. 560		1	.706 .726	. 086 . 768	. 842	.624 .621	. 041 . 654	. 704	. <b>59</b> 6 . 631	107	. 751	. 502		1	. 626 . 632			65
				1	.620 .634	119 749	. 819	.594 .617	148 706	. 765	. 672 . 630	.099 .793	18 . 874	.412	054 457	. 479	.483 .500	.082	. 599	. 598 . 601	. 139 . 721	. 837	60
			·		.647 . .649 .	096 754	. 63 . 809	. 256 . 248	.084	. 363	. 644 . 642	.018 .660	. 673	. 444 . 456	.104 .548	43 .586	. 569 . 591	. 146 . 695	. 750	. 556 . 520	. 152 . 686	146 .769	55
					.485 . .537 .	173 660	53 . 708	. 345 . 345	.019 .359	. 369	. 626		1	. 341 . 328	.154 .519	. 61 . 622	. 566 . 621	. 133 . 668	. 702	. 432 . 400	. 179 . 628	140 .697	50
.110 .079 5 .060 .186 .239			.311 .225 .329 .581 .6	16 51	342	227 620	106 .708	386 388	. 233 . 627	. 711	.385 .404	203 619	103 . 754	. 253 . 141	. 213 . 533	71 . 649	.425 .408	. 197 . 641	13 . 654	. 345 . 220	. 225	394 738	4:
			.125 .128 .085 .269 .4	26 58	.127 .067	116 295	.413	.249 .137	. 235 . 627	. 702	.286 .223	.181 .505	270 683	, 114 , 067	.148 .091	17 . 526				.248 .183	.188 .488	382 .680	4(
			.126 .094 .096 .143 .3	15 71	.074 .082	019 089	. 18 . 102	.143 .102	. 094	. 376	.162 .165	. 103 . 263	. 473	.164 .164	.047 .195	. 208				157 117	.100 .244	173	35
-			.081 .035 .067 .101 .1	5 44	.078 .063	027 107	. 125	.128 .093	. 115 . 191	142 528	.147 .094	122 264	. 49 . 479	.066 .061	. 041	. 129		-		.126 .082	.114 .192	208 505	3(
			.069 .027 .062 .089 .0	93				.097 .085	.062 .163	. 261	.042 .043	.030	. 101	025 032	.012 .035	. 036				.079 .067	.060 .135	135 239	25
			.041 .024 .030 .060 .1	25 05				.053 .039	.033 .087	. 127	.028 .028	019 050	. 070	. 029 . 026	.016	. 065				.038 .031	. 026 . 062	. 103	21
			.029 .011 .033 .039 .0	9 46	.036 . .038 .	009 043	. 047	.033 .031	.012 .037	. 067	. 027 . 026	. 009 . 034	10 .043	. 057 . 050	.031 .096	. 098				.034 .031	.017 .043	. 092	] 19
								.029	.008	29 044				. 035 . 028	. 025 . 065	16 .085				.031	.017	. 078	] 11
	. 030	1			.054 .054	009 059	. 062	. 033 . 032	012	26 053				.018 .009	019 048	. 057				. 026 . 027	.018 .047	. 060	] :
					.022	015 033	. 044	. 031 . 030	010	. 053				.011 .008	.010 .024	. 032				.021 .022	014	. 046	] '
					. 062		1	. 035 . 031	016 049	. 078				.014 .010	.013 .034	. 039				.028 .028	.018	. 076	] ;
					.037 . .035 .	010 044	31 .062	.031 .028	007	17 .044				023 020	.012	14 .047				.032 .027	.011	62 . 059	10
					.040 .035	018 060	. 072	.040	008	. 048				.023 .016	.012 .031	13 047				.036 .033	. 018 . 053	53 . 070	15
					.048 .051	017 064	31 .083	.047 .049	.004 .049	. 051				.015 .018	.006 .020	.021				. 043 . 046	018 059	. 082	20
					.056	052 086	43 203	.061 .058	.005 .064	. 068				. 025		1				. 055 . 039	.049 080	. 191	25
					.084 .058	072 124	. 49 . 308													.084 .058	.072 .124	49 308	30
					.133 .095	100 231	. 81 . 397													. 133 . 095	.100 .231	. 397	35
																						_	40
											1												45
	.110 079 5 .060 186 .239			125 .128 .085 .269 .4 126 .095 .143 .3 .081 .035 .067 .101 .1 .081 .025 .089 .0 .041 .024 .089 .0 .041 .024 .089 .0 .041 .024 .089 .0 .041 .024 .089 .0	. 125 . 128 . 26 . 085 . 269 . 458 . 126 . 094 . 15 . 096 . 143 . 371 . 081 . 035 . 5 . 067 . 101 . 144 . 069 . 027 . 3 . 082 . 089 . 093 . 041 . 024 . 25 . 030 . 060 . 105 . 029 . 011 . 9 . 033 . 039 . 046			100   1079   5   16   170   186   170   186   170   186   170   186   186   170   186	100   100	140   140	110	10	100   100	1.560		10   10   10   10   10   10   10   10			100 079 25   131 225 166 25   132 227 108 386 233 98   184 619 107 107 107 107 107 107 107 107 107 107			1.560   1   1.700	

TABLE V. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR MAY

(g) Flight level 410

																			ME	AN	
	1						]			1											
	1															. 577		1	.577		
							.598 .595	. 095	. 716	.535 .452	. 281 . 861	. 883	. <b>68</b> 0 . 700	. 050 . 724	16 . 755	.706 .718	. 149 . 836	. 930	. 663 . 668	. 153 . 804	. 91
				. 640 . 632	.044 .675	. 705				.660 .725	. 163 . 781	. 834	. 488 . 476	098 555	. 717	. 654 . 673	. 190 . 855	. 939 . 939	. 603 . 564	. 170 . 77 <b>9</b>	. 9
				. 527 . 582	200	. 782	.319	. 192 . 550	. 608	. 686 . 670	. 171 . 867	977	. 474 . 477	. 087 . 520	. 622	. 499 . 505	. 039 . 536	. 5 <b>6</b> 0	.511 .535	. 206 . 684	. 9
	. 405 . 500	. 226 . 633	. 689	.512 .560	. 202 . 658	. 820	. 399 . 348	. 234 . 704	67 .847	. 388 . 390	.175 .578	. 698	.482 .561	. 176 . 589	16 .726				.431 .382	. 213 . 646	. 60
333 .027 6 323 .363 .375	. 372 . 417	.217 .590	. 666	. 059 . 056	.009	. 075	. 368 . 304	. 235 . 647	. 918	. 361 . 320	. 176 . 584	. 652	328 328	.083 .384	. 407	. 326		1	. 355 . 323	. 202 . 587	. 7
228 .049 9 231 .248 .322	202 137	.134 .307	. 503				.530 .617	. 273 . 800	. 848	.274 .213	.171 .525	. 643	.218 .218	.060 .277	287				.304 .197	.213 .595	. 8
208 .055 <b>6</b> 218 .263 .268	.130 .118	. 057 . 198	. 21 . 231				.234 .150	175	. 622	. 278 . 269	. 320	. 402	:107 :107	.004	. 112				.207 .122	150 386	. 6
	. 079 . 079	.015 .092	17 112				.130 :113	194	. 318				.091	.013 .101	, 106				:115 :097	.061	. 2
	. 068 . 072	.014	11 .085				.076 .072	.036 .107	. 143				. 088 . 095	.013	, 099				. 076 . 079	.030 .104	. 1
	. 054 . 051	.010 .064	11 075				047	.025 .076	.101				. 100		1				.039	.023 .076	. 1
	. 039 . 040	.010 .051	14 .053				.039	.021 .064	27 079										.039 .035	018 052	. 0
	.036 .030	. 009 . 042	. 047				.030 .029	.014	. 058										.030	013 043	. 0
				.032 .034	.013	16 .051	.043 .040	.008 .049	054										.034 :035	013 044	. 0
				. 031 . 031	.010 .039	. 047													.031	010	. 0
				.032 .032	.010 .036	, 054													.032	036	. 0
	 			.030 .028	.011 .039	. 046	.030 .030	.007 .036	. 048										.031	.008	. 0
				. 023 . 024	.005 .026	. 027													.023 .024	.005	. 0
				.037	.019 .049	. 070							. 053 . 045	028	.094				.045 .027	.025	. 0
				.113	.038 159	, 166							. 088 . 084	.016 .106	, 113				.101 .081	.031	. 1
				. 163 . 145	.074 .251	. 293													.163 .145	.074 .251	. 2
													L			L			<b>  </b>		
										l									II		

TABLE V. - Concluded. GASP AMBIENT OZONE DATA BY LATITUDE FOR MAY (h) Flight level 430

MAY

																			M£	EAN	
										T			T								
					•																
										1			<b>†</b>								
				~												.463		1	. 463		1
													. 954 . 978	. 055 1 . 005	1.011	.388 .339	. 085 . 459	. 555	.577	. 277	1.009
				. 527 . 527	.032 .549	. 5 <b>58</b>	. 499 . 498	.027 .517	. 550	.241 .249	. 073 . 285	. 359	.575 .582	. 107 . 673		.491 .503	.116	. 640	.481 .449	. 145	. 710
				.589 .571	.065 .682	. 690				193	. 131	.515	.367 .309	. 212 . 594	. 980				. 348 . 285	. 214 . 580	, . 907
				539		1				.316 .298	124 358	. 602	.299 .277	. 129 . 404	. 604				. 309 . 295	. 131	, 660
 				.054 .053	.012	. 066				217 222	233	. 251							. 169 . 203	. 077 . 230	. 24
 				. 054 . 055	.004 .057	. 059				137	032	. 193							. 100 . 100	. 048 152	. 19
				. 065 . 065	.009 .072	. 077				.039	.019	. 064							. 054	019	07
				.049 .046	.017 .068	. 07 <b>8</b>				.027 .025	.003	. 031							.043	.017	. 07
						. 053													.040 .040	. 008 . 050	. 05
	. 048 . 049	.001 .049 .0	3	. 047 . 045	.005	. 0 <b>54</b>													.047 .045	. 004 . 050	, 05
							. 032		1										. 032		1
							.023	017	. 038										.023		. 03
 							.042	.017	. 065										.042	.017 .063	. 065
							038	.008	. 048	.043	.022	. 102							. 042	.020	. 102
				· · · · · · · · · · · · · · · · · · ·	-																
 · · · · · · · · · · · · · · · · · · ·							. 187 . 154	.068 .269	. 332										: 187 : 154	. 068 . 269	. 332
 											-										

TABLE VI. - GASP AMBIENT OZONE DATA BY LATITUDE FOR JUNE

(a) Flight level 290

CODE	E: ME		ST. DE		N 98%																	UNE L 29	0		
																							k	1E AN	
		·																							
																				. 072 . 077	.015 .085	. 090	. 072 . 077	2 .015 7 .085	5 12 5 .090
											. 079		1	. 001		. 1				. 104 . 068	. 092 . 152	. 346	. 096	9 .090 9 .144	0 21 4 346
.066 .021 .061 .085	. 13 . 105							. 050 . <b>048</b>	.010	. 064				. 080 . 082	.006 .085	. 086	.075 .079	.019 .095	. 098	. 068	.050 .109	. 157	. 066 . 062	. 028 2 . 092	8 39 2 121
118 041 112 153	. 21 . 207				. 082 . 071	037	. 150	. 075 . 067	040 106	. 141	.065 .046	.037	. 129	.090	.068	15 243	.060 .076	.035	. 096				.091	. 052 5 . 135	2 62 5 .222
103 050 095 160	. 11 . 178				. 083 . 072	. 045					. 063 . 058	. 020 . 081	. 097	. 059 . 056	.019 .074	. 102							. 078 . 066	3 .041 5 .106	1 47 6 .183
.083 .016 .089 .097	. 105	.079 .080	.014	10 .096	. 050 . 053	.004	. 054																. 073	3 .019 3 .095	9 28 5 .103
.057 011 .055 .066	. 074	. 059 . 055	025	. 102	.056	.016	. 079				.050	.018	. 070										. 056 . 049	019	9 32 3 .097
		.041	.010 .045	.064	.059	. 026	. 082				.042	017	. 081										.044 .036	4 .017	7 33 9 .086
		. 024		1															•				.024	1	1
		. 026 . 026	001 027	.028				· · · · · · · · · · · · · · · · · · ·									) <u> </u>						026	5 .001	1 7 7 .028
			002	. 027																			025	5 .002	2 6 7 .027
		. 026		1	. 009		1																:016	9 .009	9 2 3 .026
					.019	-	1			·													.019	3	1
		•						.026	.006	.031	1												.026	6 .006	6 2 9 .031
								. 034	.005	. 039													. 034	4 .00	5 2 7 .039
		.029	.006	. 037	. 038	.001	. 039	. 035		1								<del></del>					. 032	2 .000	6 7 7 .039
					.036	.002		. 045		1		<del></del>											. 037	7 .003	3 8 9 .044
					.047	.007	. 055	.047	.011	10 .067	<u> </u>		-								-		.047		
					. 054	.025	.118	.039	.006	.043													. 051		
							.,,,		, 040	.050								~					#		
					······							-								<b></b>			#-		
5 <b>ξ</b>	60E	_			105	105E																			

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## TABLE VI. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR JUNE (b) Flight level 310

CODE: MEAN ST. DEV. N 50% 84% 98% JUNE FL 310

																								ME	AN		LAT
70N															. 536 . 536	. 004 . 539	. 540	. 261 . 176	.188 .532	. 538				. 322 . 304	202 537	. 540	70N
65															.424 .483	. 098 . 501	. 501	. 104 . 043	.117 .191	. 361	. 064 . 075	. 020 . 078	. 080	.191 .075	. 181 . 428	. 501	65
60																		. 218 . 087	.170 .433	11 507	. 252 . 102	. 222 . 526	. 596	. 242 . 097	. <b>209</b> . <b>49</b> 5	. 594	60
55		_			· · · · · · · · · · · · · · · · · · ·										242	. 043 . 282	. 297	. 075 . 073	.009	. 090	.124 :082	.117 .256	, 42 , 431	.118 .082	.104 .225	.418	55
50		_				<u> </u>						.047 .047	005	. 052	.345 .377	. 124 . 486	. 490	. 085 . 078	.037 .125	. 166	.154 .105	. 127 . 260	. 458 . 458	.136 .071	.119 .247	. 486	50
45		220 22										.108 .075	.067 .187	16 . 246	:079	.080	43 306	.068 .071	.011 .078	. 086	.146 .094	. 166 . 372	.518	.116	100	,444 ,444	45
40		42 256										:133 :100	. 106	. 408	.077	.064 .092	. 287	.111	.083 .130	. 333				.099	.074 .126	131 .320	40
35		120				.048 .035	.027 .080	. 099 . 099	.033 .032	. 004 . 037	. 039	.069 .060	.043	. 164	.108 .056	. 095	. 285		<del></del>					.072 .059		104 . 276	35
30		15 090	.053	.041	. 106	<b>,</b>			.046 .039	.019	. 084	.070 .050	. 051 . 098	, 204	. 063		1	ļ						.058 .056	040 084	.113	30
25	.063 .006 .068 .	069	.068	.011 .082	. 085	.067 .074	026	. 094	.050 .048	.018 .064	. 090	.055 .043		. 119										.057 .053	.025 .084	. 106	25
20		_	. 061 . 064	.011	. 073	.074 .067	.027	.112				.051 .045	.023	. 106										.055 .050	.023 .075	. 110	20
15			. 054		1	. 035 . 035	. 006	. 049	. 028			.035	.039	. 041										.036 .034	007	. 053	15
10		_	.030	.004 .035	. 035	.032 .034	.009 .041	. 047	. 024 . 025	. 003 . 025	. 025	.029 .026	. 006 . 034	. 03 <b>8</b>										.029 .026	008	. 045	10
5			.022	.005	. 029				.025 .026	.004 .029	. 031													.023	.005 .028	. 031	5
0			023 019	.006	. 032		<b></b> .		. 027 . 027	.002	. 028													024 025	005 028	032	0
5		_				. 024		1	. 026 . 023	.005 .032	. 033													.026 .024	.005	.033	5
10		_														<u>-</u>											10
15				<del> </del>					.036	.016 .047	062													036	.016 .047	.062	15
20	. 053	_'_							. 039		1 .													.046 .046	007	.053	20
25						. 047 . 046	.004 .052	. 053	, 059		1				<u></u>									.049 .049	006	058	25
30	<u>-</u>	_				.052 .048	.016	. 087	.079 .058	.030	. 127													.062 .051	026 093	13	30
35	*****	$\dashv$				. 056 . 048	. 046 . 061	. 164	. 053 . 043	028 064	. 117													, 055 . 043	. 039 . 067	19	35
40		_				. 063		1							<u> </u>				<del></del>					.063		1	40
458																								<u> </u>			455
1	15E	60	E		105	SE .		15	0E		1	65W		12	OW		7	5W		3	OM		1	5E			

# TABLE VI. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR JUNE (c) Flight level 330

CODE: MEAN ST. DEV. N 50% 84% 98% JUNE FL 330

						*																		M	EAN		_ LA
70N																											70
65												. 486		1	. 327		1	.490 .521	.113 .575	. 583				.483 .516		. 5 <b>83</b>	65
60		]							.310 .216	. 239 . 600	. 606	. 324 . 407	.148 .448	10 . 483	420 433	067 466	. 494	456 467	.037 .486	, 506				.377 .434	.153 .489	. 602	60
55									. 200 . 092	. 206 . 410	. 618	.462 .444	.167 .611	. 628	299 307	.131 .397	. 484	.069 .068	.014 .084	. 091	172 152	132 262		. 202 . 103		75 . <b>626</b>	55
50									.151 :123	.071 .212	. 298	.071 .067	.042	. 138	.068 .038	.075	·. 233	.103 .074	.092 .139	. 453	.135 .087	139	68 567	.115 .071	. 164	.511	50
45	.144 .054 .118 .189	. 254							.119	183	35 .318	.071 .069	104	. 155	.084 .064	107	. 221	.132	.148 .255	. 539	.048 .046	.005		.113 .059		172 507	45
10	.103 .065 .091 .151	. 280 . 20				. 053 . 050	.015 .072	. 078	. 059 . 064	.025	. 095	.059 .051	. 047 . 068	. 183	123 072	.117 .229	32 406	.100 .060	. 100	16 300	.085 .085	.021 .099	. 105	.090	. 134	129	40
35	.075 .034 .061 .113	. 155				. 072 . 057	.067 .084	. 250	. 071 . 070	.032 .082	. 158		105	. 202	. 065 . 064	.035	. 152							.073	. 093	. 197 . 192	35
30	.066 .026 .054 .106	. 110		.016 .089	. 108	. 074 . 075	.009	. 086	. 184		1	.067	.061	135	044	015	.075							.066	. 053	203	30
25	.054 .004 .051 .059	. 059		.018	. 109	. 075 . 077	.017	. 098				.057	083	120	077 072	.017 .096	. 102	<u> </u>						.060 .056		195	25
20			. 058 . 062	.014 .072	. 076	.059 .062	.019 .077	. 079	.037 .039	.010 .047	. 049	. 058 . 062	.026 .075	. 117			·	<u> </u>						.052	. 073	. 082	20
15				.015 .061	. 070	. 050		1	. 045 . 046	.006 .051	. 051	048 040	015	. 076				<u> </u>						:045		.075	-
0			. 031 . 032	.005	. 035							.027 .016	.018	.052				L						.030	. 035	. 049	110
5			. 028 . 030	.010 .040	.043					.001	. 024													026		. 043	<b>↓</b> 5
0			. 020		1	.014		1	. 026	.003	. 029				L			ļ						.027	. 028	. 029 35	1 '
5	<del></del>		.032		. 042	. 023	.005	. 032	.025	.007	. 038							<u> </u>			<u> </u>			.026		. 041	4
0			. 025	.005	. 033	.032		. 051	032	,009 ,042	. 044				L			<b> </b>			<b>!</b>			.025	. 041	. 046	110
5			. 031	006	. 035	.047 .047	.004 .048	. 053	.028 .028	033	. 036													.033			
20	<del></del>					.048	.018	. 065	.034 030	.012 .040	. 065													.030	. 043	. 066 49	4
25						.048 .040	.020	. 102	.039 .034	.016 .059	. 068										<u> </u>			042		. 070	J 25
30						.084 .088	.009	, 093	.055	. 045 . 085	. 205										<b></b> _			. 070 . 058	. 090	. 205 45	-
35						.066	.033	. 133	.064 .053	.032	. 142												<u>.</u>	.064	.032 .090	. 145	٠: ا
10							····						<u> </u>					<u> </u>			L			Ш			40
455	5E	60			105				OE .			65W									IOW .			]]			45

## TABLE VI. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR JUNE (d) Flight level 350

ODE: MEAN ST. DEV. N SO% 84% 98% JUNE FL 350

																									ME	EAN	_	LAT
70N																			. 587 . 563	.017 .598	. 614	. 602 . 597	.015 .615	. 625	. 593 . 588	. 613	9 624	70N
65							,						.412 .381	114	. 573	. 566 . 566	. 033	. 607	. 598		1	. 564 . 595	, 103 , 655	. 673	,500 ,545	. 603	. 670	65
60										.390		1	. 304 . 272	. 184 . 547	26 618	.479 .486	. 134 . 607	. <b>6</b> 56				.333 .270		. 622	.399 .449		100 . 632	60
55				-						.408 .546	.211 .565	. 622	. 373 . 413	189 566	51 .646	.356 .407	.173 .535	34 . 617	.084 .067	.043 .120	. 184	.161 .116		, 449	.270 .216		175 .624	55
50										. 232 . 128	. 182 . 490	. 610			. 555	.218 .113	160 414	. 564	.151	147 317	. 523	:194 :114		. 637	195		379 585	50
45	.128	. 035 . 170	. 25 . 201							. 081 . 056	.059 .160	.29 .216		. 170 . 364	. 566	.201	164 446	. 529	:153 :134	130	. 543	.155		, 271	160		.561	45
40	. 221 . 173	. 138 . 356	. 527				. 046 . 039	.021 .072	. 090	. 058 . 048	.034	, 136		. 123	128 . 480	.103 .077	.080	282 415	.124 .105	.074	. 267	172	. 222 . 598	. 672	123	, 197	531 511	40
35	. 168 . 119	.118 .278	39 443				, 090 , 053	094 139	37 .414	.105 .064	.086	. 315		.085	190 .462		.040 .125	181				ļ			.100 .067		368 .420	35
30	. 064 . 063	.014 .076	. 089	. 073 . 076	012	. 090	.094 073	. 047	. 186	. 052 . 044	.030	. 136	.070 .059	.046	. 185	.088		1				<u> </u>			.060	. 093	391	30
25	. 053 . 053	005	. 059	. 077 . 081	.018 .090	. 102	.061 .064	.022	. 093	. 031 . 026	.014	. 063	.057 :051	.034	246 159	. 072		1 				ļ		,	.057 .052			25
20				.052 .048	.020 .072	. 091	.069 .070	.008 .072	. 080	. 033		1	.051	025 068	.105				L						. 053 050			20
15				. 053 . 048	.021 .077	25 .090	.081 .082	.009	. 091				.038 .038	007 045	.050							ļ			.049			15
10				. 034 . 030	.010 .046	18 . 050				. 043 . 044	.017 .061	. 065	031	.016 .046	.061	L			L			ļ			.034			10
5				. 025 . 025	.004	. 029		· · · · · · · · · · · · · · · · · · ·		. 035 . 031	.014 .051	. 058	020	.009	.035				<u> </u>			ļ			.026	. 050		5
0				. 024 . 025	002	. 027	, <del>-</del>			,026	.010 .037	. 050	,010		<u> </u>							<u> </u>			026 023	.013		
5				.018 .019	.001	.019		030	. 057	.026 .023	.015	. 063										<b>├</b> ─			.024 .029 .026		. 070 64 . 059	,,
10				.021	.002 .023	. 026	.036 .032	.010 .045	. 058	. 029 . 025	.011	. 057	ļ		<u></u>				ļ			<u> </u>			.036			10
15				. 027 . 027	.030	. 032	.049 .046	.010	. 068	.034	.012	. 058			<del></del>				<u> </u>			ļ			.040	.017		15
20	. 054 . 056	.010	. 065	. 032 . 035	.006 .037	. 037	. 044 . 040	.010	. 061	. 035 . 030	021 049	, 086		· · · · · · · · · · · · · · · · · · ·					ļ			<b> </b>			.060			20
25	. 072 . 071	.015	. 097				. 046 . 037	018	. 093	. 066	.023		ļ						<u> </u>			<b> </b>			.061 .081			25
30							. 069 . 065	013	. 092	.084 .078	.035		ļ						ļ			ļ			- 11	.105 .049 .137		30
35							:110	.066 .173	. 195	.065 .058	.027 :102	. 123	ļ						—	<del></del>		<b></b>			.061	. 137	. 183	35
40														<u>.</u>		<u> </u>			<u> </u>			ļ						40
455												····	<u> </u>			<u> </u>			<u> </u>			30W			15E			455
	15E		60	DE		105	ξ		15	OE.		1	65W		1:	20W		7	75W			JUM			. J.L			

TABLE VI. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR JUNE

(e) Flight level 370

JUNE

COD	E:	MEAN 50%	ST. DE 84%		N 98%																F	L 370			
																							Mi	EAN	
		<u> </u>						<u> </u>			[			. 660		1	. 597 . 629	. 103 . 662	18 .668	.566 .560	. 014 . 581	. 590	.592 .613	. 089 . 660	. 668
										<del></del>	. 493 . 525	.101 .592	50 .614	.595 .613	. 068	. 670	.486 .553	. 134 . 625	. 634	.455 .538	. 175 . 599	. 670	. 510 . 502	. 128 . 623	124 . 667
								501 523	.079 .568	18 .581	. 382 . 440	. 184 . 568	. 646	.375 .482	.210 .560	. 6 <b>9</b> . 627	.501 .504	. 102 . 606	. 671	. 242 . 194	. 193 . 545	. 564	. 379 . 250	. 197 . 569	246 . 648
								. 447 . 481	. 156 . 593	. 652	. 401 . 452	. 187 . 583	50 . 680	. 341 . 355	. 138 . 491	110 .589	.378 .382	. 143 . 532	. 592	. 234 . 220	. 179 . 459	38 . 564	. 372 . 386		315 . 638
								. 266 . 289	.159 .405	. 527	. 355 . 389	.111	132 .514	. 229 . 177	. 154 . 406	62 -, 518	.164 .093	. 143 . 316	79 . 512	. 226 . 131	. 202 . 537	57 . 605	. 262 . 192	. 165 . 413	
.162 .036 .162 .186	. 196				. 460 . 460	.079 .514	. 536	. 370 . 396	.134 .487	146 545	. 192 . 148	. 136 . 363	. 509	. 133 . 088	. 101	113 .404	. 252 . 191	.210 .559	45 , 651	. 345 . 288	. 238 . 65 <b>8</b>	16 . 706	. 253 . 214	. 174 . 457	407 . 637
.064 .034 .042 .105	. 15 . 119		_		. 173 . 104	. 125 . 344	19 . 356	. 129 . 091	.100 205	103 .451	.144 .071	. 152 . 309	135 . 597	.167 .104	.149 .333	909 . 600	.124 .096	.096 .135	. 324	.133	. 199 . 409	. 679	. 161 . 100	.147	1205 . 599
.038 .002 .038 .039	. 039				. 107 . 078	.068 .140	28 288	. 085 . 068	.076 .105	. 49 . 309	.109 .077	.108 .132	408 525	.095 .071	.074 .128	129 . 343							. 104 . 074	. 098 . 133	616 .514
					.140 .109	.088	34 363	. 102 . 074	. 075 . 178	37 . 324	. 081 . 064	.062	677 . 268										085 065	. 065 . 125	748 . 302
		. 037 . 039	.004	.041	.060	.015	. 079	. 046 . 045	.019 .054	. 092	.063 .057	.031	511 .157	.051 .051	.001 .052	. 052							.062 .056		557 . 146
		. 035 . 035	.012 .046	16 .054	. 047 . 050	.017 .062	. 074	. 049 . 047	.013 .063	. 070	. 055 . 047	.024 .079	. 112	.044 .042	.004 .048	. 050							.050 .045	.022	129 .111
		. 041 . 040	.011 .051	12 .058	. 036 . 034	.010 .048	13 .059				.038 .035	.020 .051	. 091	.029	009	. 037							.038 .031	.017 .050	. 079
		. 032 . 034	.009 .040	22 047	. 042 . 042	.005	15 .051	. 022 . 022	.002 024	. 025	.034 .034	010 040	. 056										.034 .034	.010	, 056
		. 023 . 023	.003	. 026				. 030 . 022	015 .053	. 059	.031 .035	.011 .042	. 047										.030 .028	.012	. 058
								. 033 . 032	.013 .046	. 059	. 035 . 034	. 009 . 044	. 050										. 034 . 026	.011	. 054
								. 026 . 025	012 037	. 049	036	.008 .046	. 050										. 031 . 029	.012 .043	. 050
								. 030 . 026	.014	. 056	.047 .050	.013 .058	. 058										. 034 . 032	.015 .052	
		. 030	.003 031	. 032				. 029 . 027	012	16 .051													029 027		18 .051
								. 030 . 030	.011 .041	29 051													.030 .030		. 051
								. 022	.015 .034	32 059													. 022 . 021		.059
		. 044 . 044	.004 .047	. 050	. 068 . 072	.016	. 088	.082 .088	.032	21 148													.071 .054	. 029 . 093	
					.097 .086	.052 .143	, 220 31	106 101	.053	. 212													.100 .077	.053 .146	. 229
					. 257		1																. 257		1
														1											

TABLE VI. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR JUNE

(f) Flight level 390

CODE: MEAN ST. DEV. N 50% 84% 98% JUNE FL 390

																							Mi	EAN		LA
ON		<u></u>												. 590 . 628	. 094	. 683	. 562 . 603	114	. 691	.477 .521	.103 .556	. 568	.566 .601	.111	143	70
5								. 603 . 698	. 162 . 739	. 746	.549 .531	. 064 . 623	108	. 558 . 577	.092 .638	109 .697	. 552 . 571	. 094 . 636	111	.431 .493	. 152 . 581	. 606	.539 .549	, 105 , 630	.708	65
0		<u> </u>						. 533 . 523	. 106 . 664	. 699	.562 .587	. 092	. 681	. 535 . 550	.113	137	. 529 . 545	.117	. 673	. 381 . 434	. 161 . 541	. 69 . 614	.513 .519	. 133 . 635	398 . 686	60
5								. 432 . 484	.216 .650	. 699	. 299 . 306	. 134 . 476	. 4 <b>9</b> 4	. 529 . 579	. 124 . 633	104 .669	. 484 . 626	. 224 . 647	. 656	.434 .450	108	43 .611	. 465 . 426	. 167 . 626	. 689	55
, [					<u> </u>			. 463 532	. 191 . 675	. 729	.177 .151	. 104 . 294	. 397	. 365 . 381	. 168 . 544	. 620	.110 .105	. 040 . 145	. 16 . 1 <b>94</b>	. 425 . 465	. 131 . 550	12 . 594	.315	. 194 . 546	157 . 690	50
•		ļ			. 445 . 492	. 177 . 590	. 647	335 343	.163 .515	. 633	.328 .328	. 198 . 526	. 648	. 270 . 224	. 159 . 410	70 . 592	. 082 . 075	.039 .100	. 199	:117	. 035 . 144	20 . 194	. 275 . 174	.183 .503	262 644	] 4
) <b> </b>		<u> </u>			. 294 . 326	.176 .439	. 577	. 136 . 068	. 130 . 243	. 491	330 395	. 167 . 497	. 592	.196 .118	. 171 . 359	527 . 667	.172 .125	. 112	. 367	. 458 . 458	.047	. 503	. 203 . 121	. 173	684 . 659	4
, [					.108 .062	. 127 . 146	. 486	. 062 . 056	. 026 . 085	. 118	.082	. 073 . 096	. 307	.112	075 187	. 284 . 295							. 103 . 076	.078 .159	404 .310	3
					. 074 . 079	.021	. 096	.042 .036	. 023 . 054	. 116	.108 .075	117	96 . 458	.051 .049	007	.061							. 083 . 038	. 096 . 0 <b>9</b> 6	164 . 451	3
L					.078 .075	. 004 . 081	. 086	. 021 . 020	. 008 . 026	. 031	.084 .058	. 07 <b>5</b> . 12 <b>6</b>	. 368	.051 .051	.006	. 060							. 078 . 057	.070	100 355	2!
		. 006 . 004	.006	. 015	. 084 . 085	002	. 086				.084	. 042	. 163	. 024 . 026	.007	. 034							. 067 . 056	. 045 . 108	. 162	21
		. 070		1							.041	.017	. 073	.012	.005 .015	.016							.040 .037	.019	. 073	] 1!
L								. 037 . 037	.002	. 040	030	009	. 048										030	.009	. 048	] 10
								. 039		1	.037	.014 .045	. 069										.037 .038	.014	. 068	] :
								.019 .018	.005	. 026	.031	013	. 055										.030	.013	. 055	] (
L								. 029		1	.039	.011	. 058										.038	.010	. 057	
L		<u></u>			L			. 029 . 027	.012	. 060	.031	.005	. 039										.030 .027	.011	. 056	11
L		.031	. 004 . 034	. 037				. 036	.013	. 069													.035	013	. 069	] 19
	. 030 1	027 027	.001 .028	. 028				. 049 . 049	.015 .062	. 079													.047 .047	016	. 079	20
								.057 .055	.010 .056	. 078													. 057 . 055	.010	. 078	25
								. 064 . 058	.022	. 106													. 064 . 056	, 022 , 086	.106	30
					.131	. 025 . 156	. 159	.174	. 086 . 250	. 381													:172 :178	. 084 . 248	. 380	3
																										40
s[										*******																4:
15	5E 6	0E		10	5E		15	OE		1	65W		12	OW		7	5W		3	OH		1	5E			•

TABLE VI. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR JUNE

(g) Flight level 410

																							ME A	4N	
														.538 .509	. 108 . 634	. 740	. 629 . 660	. 140 . 735	. 77 <b>8</b>				. 593 . 627	.136 .729	. 77
														. 523 . 577	.136 .661	. 687	.471 .465	.185 .667	68 . 705	.434 .498	. 177 . 620	. 645	. 472 . 494	. 177 . 653	. 70
								.561 .528	.098 .706	. 758				. 538 . 564	. 127 . 664	. 723	.486 .491	. 163 . 667	76 . 731	.440 .436	162	127 .696	.480 .386	.158 .644	. 73
								. 476 . 488	173 651	. 743				.483 .515	. 147 . 624	63 670	. 629		1	.445 .465	.112 .570	. 626	. 466 . 474	.142 .617	1 E
L								. 503 . 513	. 122 .611	. 70 <b>8</b>	.429 .407	. 050 . 493	. 528	. 401 . 400	. 144 . 570	132 659	. 525 . 573	144 683	13 .705	242	. 074	.312	.432 .425	142 581	. 70
L	.564 .068 8 .578 .634 .639				. 096 . 069	. 059 . 156	. 213	. 272 . 217	. 186 . 533	. 626	.219 .170	.122	. 467	. 369 . 376	. 149 . 537	133 623	. 335 . 334	.141	505	.421 .421	.021 .434	.440	.320 .346	.169 .506	. 63
L	.601 .091 12 .604 .674 .686				.148 .061	.186 .313	36 . 624	. 198 . 063	.181 .411	. 471	.303 .316	.177	. 563	. 290 . 282	. 187 . 506	97 . 643							. 281 . 265	203	. 65
L	.124 .078 7 .101 .113 .288				. 259 . 231	. 193 . 467	. 567	. 078		1	.099 .101	.051 .149	10 .156	. 243 . 178	. 190 . 485	14 . 564							.215	.180 .460	. 57
L	.057 .006 4 .055 .062 .065				. 210 . 180	. 180 . 426	. 636				.085 .087	.043	. 171					p					.129 .098	130	. 60
L					. 090 . 097	.022	. 119				.082 .042	.088 .131	. 360								, <u>.</u>		. 085 . 054	.072 .119	30
L		.015	.004 .019	. 022	. 086	. 013 . 096	. 102				.046 .042	.018 .055	. 091										. 054 . 047	.028	. 10
L		. 023 . 023	.005 .027	. 033	.079 .079	.008 .084	. 086				.030 .028	.006 .031	. 041										. 031 . 023	.017 .034	. 08
L											. 027		1										. 027		
L																				<u> </u>			<u> </u>		
L		•																							
L								300													·			.,	
L									·	·						*				<u> </u>			<u> </u>		
L																							<u> </u>	_ <del></del>	
L								. 063 . 061	.008 .070	. 07 <b>3</b>													.063 .061	008	. 07
L								. 073 . 071	015 090	. 15 . 093													.073 .071	015	. 09
Ĺ								.123 .111	.039	. 10 . 218													.123	.039	. 21
_								. 264 . 252	.111 .385	45 463													.264 .252	. 111 . 385	. 46
ſ											l			<u> </u>											

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TABLE VI. - Concluded. GASP AMBIENT OZONE DATA BY LATITUDE FOR JUNE

(h) Flight level 430

				MEAN
N				
			.613 .104 23 .643 .004 2 .641 .710 .791 .643 .646 .647	.615 .100 25 .641 .705 .790
			. 454 . 075 . 31 405 . 159 . 15 472 . 505 . 509 455 . 566 . 663	.438 .112 46 .457 .507 .621
			. 375 . 111 . 45 . 434 . 147 . 8 . 345 . 196 . 6 . 431 . 459 . 471 . 405 . 596 . 617 . 254 . 614 . 618	.380 .129 59 .425 .462 .617
L	<del> </del>		.219 .174 17 .200 .151 44 .322 .179 13 .476 .105 8 .236 .544 .677 .476 .583 .605	. 249 . 179 82 . 140 . 456 . 622
	·		.164 .176 57 .105 .007 9 .213 .095 4 .256 .110 27 .139 .006 2 .079 .488 .539 .100 .115 .116 .215 .300 .334 .238 .356 .488 .139 .142 .144	.185 .154 99 .098 .351 .541
L			.101 .047 13 .094 1 .059 .003 5 .122 .049 11 .059 .062 .094 .227 .059 .062 .064 .129 .171 .185	.101 .048 30 .074 .154 .214
			.188 .110 13 .475 1 .167 .211 .440	.209 .129 14 171 .393 .469
L				
			.094 .002 2 .094 .095 .096	.094 .002 2 .094 .095 .096
L		. 074	1 .078 .010 8 .075 .085 .097 .	.078 .009 9 .074 .084 .097
L				<b></b>
L	· · · · · · · · · · · · · · · · · · ·			<b>  </b>
L				1
-				<b></b>
-				<b></b>
L				<b> </b>
1			.096	.096 1
-				11
$\mathbf{F}$			101 012 7 103 109 118	103 109 118
-			.115 .012 .3 .108 .124 .131	.115 .012 3 .108 .124 .131
F				<b> </b>
s			105E 150E 165W 120W 75W 30W 1	L

CODE: MEAN ST. DEV. N 50% 84% 98% FL 290

																									М	EAN		LAT
70N																						1						70N
<b>6</b> 5													. 097		1				.086	.016	.116	.082 .079	. 015 . 095	. 103	. 085	. 015 . 100	!1 .116	65
60																			.130 .130	.013	142	. 068 . 066	004	. 073	.092 .073	. 031 . 126	5 140	60
55																						. 095 . 093	.022	. 126	. 095 . <b>09</b> 3	.022	4 126	55
50	<u></u>																					.093 .072	.089 .089	. 344	. 093 . 072	089 089	18 344	50
45	.078 .080	. 026 . 095	. 1 <b>3</b> 2										. 055 , 042	.029 .076	. 101	.079 .079	006	085	1110	.004	. 113	.074 .070	.016 .082	. 104	. 076 . 066	. 025 . 103	. 123	45
40	. 082 . 067	.030 .122	. 135 . 135										.082	.028	. 105	.079 .076	018	13	.083	.043	. 1 <i>2</i> 6			_	.061	.029	. 131	40
35	.061 .054	.030 .067	37 . 144				. 081		1				.058 .059	.018 .076	.082	. 077 . 066	.035 .120	11 .135							. 064 . 055	.030 .076	. 136	35
30		.004 .072	. 075																						. 068 . 067	004	. 075	30
25	. 056 . 048	.019 .076	. 089	. 045 . 045	.013 .053	. 057	056 055	005	. 063				040 042	.013	. 055		-								.049	.017	19 .085	25
20				033	.008	. 044							.042 .044	. 014 . 056	. 063										.037 .039	.012	. 060	20
15				.022	. 003 . 025	. 025	.040 .041	006	. 050	. 027		1				.019		1						<u>.</u>	.033	.010	16 .049	15
10				.028 .027	.006	. 040	.026	.012	. 040							1				, , , , , , , , , , , , , , , , , , , ,					.027 .027	.009	16 .041	10
5				. 023 . 025	.004 .025	. 027	.013 .013	.001	. 014		.,		1												.018	. 006 . 025	12 027	5
0				. 029		1	.013	.003	.017																,014 .012	.006 .017	. 027	0
5							.016 .017	.002	. 020																.016 .017	.002	18 .020	] 5
10							.019	.004	. 026		··														.019	. 004	.026	10
15							. 027 . 026	. 004 . 026	. 036	.019		1													.026 .024	.005	.035	15
20											•		1															20
25							. 052 . 052	.007	. 063							1	· · · · · · · · · · · · · · · · · · ·								.052 .052	.007	13 .063	25
30						***************************************	.048	.019	. 092				1			1									.048 .049	.019	. 092	30
35							.045 .045	.009	. 054	.076 .083	.019	. 093	1												.065	.022	. 093	35
40																<b>†</b>									11			40
455																									1			455
	15E		60	E		10	5E		15	OE	····		165W		1	20W		7	'5W		3	OW			15E			-

LONGITUDE

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#### TABLE VII. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR JULY (b) Flight level 310

JULY

																							ME	an	
											Γ			[						Γ		1	<u> </u>		
			<del></del>								<del>                                     </del>			<del> </del>			.088	.006	. 094	.090 .091	.015	8 108	.089	014 103	. 10
											<b></b>						107	.014	. 128	.099 .102	.020	15 .137	.101	.019	. 13
											<u> </u>			.057 .057	.004	. 062	.089	.011	.098	. 126 . 102	. 077 . 175	35 . 324	.115 .096	.073 .148	. 32
<del></del>											.079 .083	.022	. 105	.075 .056	.030	. 116	:127	. 063 . 184	14 .228	.089 .086	.026	. 146	.096 .084	.042	. 21
212 .091 252 .283	. 296										.052 .051	.008	. 063	.094	.033	. 189	.063 .069	.031	.110	. 084 . 084	.003	. 087	.088 .079	.046 .114	. 22
086 .030 081 .098	. 146										.099	.010	. 108	.073 .074	.028	. 128	.086	.047 .101	. 162	.070 .070	.003 .072	. 073	.075 .075	. 030 . 103	. 14
056 .021 052 .065	38 . 108				. 058 . 054	.028	.102			· · ·	.065 .061	.029	. 123	.092		1							060 044	.025 .079	. 12
058 .008 058 .065	. 25 . 070	. 051 . 051	.013	. 32 . 078							.048 .042	.019 .072	. 085										.052 .051	.014 .06#	. 08
056 .012 058 .065	. 15 . 080	. 043 . 035	.027 .055	. 26 . 119				. 052 . 052	.007 .061	. 064	.042 .036	.018 .051	. 092										.046 .035	.021 .061	. 09
		. 034 . 032	.010 .039	. 17 . 058	.013		1	. 054 . 051	.017 .073	45 .091	.038 .035	012	. 067										.045 .039	.017 .064	. 07
					. 022	.011 .030	. 041	. 022		1	.017 .019	.003 .019	.020	. 053		1							.022 .019	.012	. 05
		. 029		1	. 009		1				.021 .021	001	. 021										.020 .015	007 025	. 02
																							200		
		. 024 . 024	.002	. 026													028 028	.003	. 032	<u> </u>			.026 .026	003 028	. 03
		. 025 . 025	004	. 031	.023	005	. 033										.033	.001 .033	. 033				026 023	.005 .032	03
		.026 .027	. 004 . 030	. 033	.021	.003 .024	. 025																024	.005 .028	. 03
		. 036 . 037	006	. 048	.024 .024	.005	. 034																029	.008	. 04
		. 047 . 045	.012	. 067	.030	. 005 . 035	. 041	. 024 . 024	.005	. 030				<u> </u>									033	.011	. 06
					.042	.021	. 092	. 025	. 026	. 028	ļ												040 034	.020 .058	. 08
					, 063 . 059	.023	. 110	045	.025	. 094													.060 .055	.024 .090	. 10
					.087 .057	.061	. 238	044 059	060	. 060							-						.081 .057	. 059 . 146	. 23
					. 095		1					-										i	L		

LONG1TUDE

TABLE VII. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR JULY

(c) Flight level 330

_		<del></del>					MEAN
	T	1		T	1	.417 .163 9 .504 .584 .590	417 163
						.504 .584 .590 .196 .153 3 .188 .015 .107 .314 .400 .188 .198	2 193 119 202 173 278 39
					.150 .061 11 .135 .182 .289	.107 .314 .400 .188 .198 .220 .056 8 .147 .105 .214 .276 .317 .089 .237	19 163 090 3 392 132 232 37
			.193 .165 3 .077 .314 .412	.082	.056 .001 2 .056 .056 .056	.214 .276 .317 .089 .237 .211 .130 40 .239 .170 .150 .397 .457 .134 .464	60 .222 156 10 .565 109 .422 .54
					.056 .056 .056 .088 .013 .5 .092 .100 .105	.150 .397 .457 .134 .464 .160 .109 .75 .193 .118 .118 .225 .433 .148 .346	.565   .109 .422 .54 44   .161 .109 13 .427   .112 .311 .43
092 1	<u> </u>		.088 .025 14 .077 .106 .147	.071 .022 6 .058 .100 .105	.092 .100 .105 .090 .039 24 .083 .102 .197	.118 .225 .433 .148 .346 .129 .029 .36 .127 .153 .188	.112 .311 .43
	<del> </del>	.070 .039 28	.110 .065 26 .087 .174 .263	.058 .100 .105 .123 .040 9 .112 .169 .183	.083 .102 .197 .090 .046 34 .081 .113 .197	.127 .153 .188 .102 .018 10 .073 .098 .117 .140	1 090 046 12
	<del>                                     </del>	.070 .039 .28 .065 .089 .175	.090 .062 8 .064 .174 .199	.067 .042 99 .056 .095 .162	.081 .113 .197 .077 .034 14 .078 .105 .145	.098 .117 .140	.067 .039 15 .056 .099 .16
	.055 .011 43 .056 .062 .078	.069 .043 14 .062 .112 .164	.115 .020 2 .115 .129 .134				.056 .099 .16
057 .010 23 055 .064 .072	<del></del>		.064 1	<del> </del>			.053 .033 17
	040 .009 39 038 .050 .056 037 .005 10	030 030 5		4			.041 .089 .14 .043 .027 .8 .030 .065 .11
<del></del>	.038 .040 .042	.030 .030 5 .016 .043 ,084	.035 .021 .48 .029 .055 .098	.049 .016 17 .050 .062 .074	.100 .016 8 .102 .114 .124		.030 .065 .11 .037 .021 .026 .055 .09
	030 006 7 030 034 041	.025 .009 i1 .026 .033 .043	.038 .023 .41 .030 .054 .100		063 .012 5 060 .071 .082	.041 1	.026 .055 .09 .025 .007 2 .024 .030 .04
	.025 .006 17 .025 .029 .037	.018 .001 3 .017 .018 .019					.024 .030 .04 .024 .007 1 .026 .029 .03
····	.027 .006 8 .028 .033 .034	.019 .005 5 .019 .024 .027	024 005 4				.026 .029 .03 .022 .006 2 .019 .030 .03
	.025 .007 13 .025 .033 .034	.017 .002 10 .017 .019 .021	.024 .005 .4 .024 .029 .031				.019 .030 .03 .023 .006 .2 .019 .026 .03
	.029 .006 .7 .025 .036 .038	.022 .004 9 .019 .026 .026	.018 .002 8 .019 .019 .019				019 .026 .03 .025 .007 .026 .032 .03
<del></del>	029 005 9 029 032 035 028 004 5	.024 .005 12 .025 .030 .033	.024 .008 10 .021 .034 .037		ļ		
	.029 .031 .033	023 031 034	.028 .005 5 .031 .031 .032	ļ	<u> </u>		027 005 1 027 031 03
The second	.031 .007 12 .033 .035 .041	038 014 18 035 055 065	.030 .009 8 .024 .041 .044	<u> </u>	<b></b>		034 .012 3 .029 .042 06
	ļ	.055 .022 26 .056 .068 .111	.050 .017 15 .051 .069 .078				.053 .020 4 .053 .070 .10
· · · · · · · · · · · · · · · · · · ·		.076 .019 24 .072 .098 .114	.069 .029 25 .057 .102 .131				.072 .025 4 .066 .101 .12
		.071 .027 32 .062 .097 .138	.148 .148 8 .081 .220 .464				.087 .077 4 .059 .106 .28
		.091 .026 .2 .091 .109 .116					.091 .025 .091 .109 .11

TABLE VII. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR JULY

(d) Flight level 350

CODE:	MEAN	ST. DEV.	N
	50%	84%	98%

JULY FL **35**0

			•					MEAN L
70N							.559 .051 11 .555 .626 .637	.559 .051 11 7 .555 .628 .637 7
65				.117 1	.388 .094 .28 .413 .451 .461	.309 .182 13 .422 .490 .501	.306 .133 14 .317 .192 1 .346 .428 .481 .424 .509 .54	3 .339 .150 69 8 .411 .466 .522 6
60				.377 .145 12 .375 .533 .576	.075 .008 6 .073 .083 .088	.385 .183 62 .454 .561 .600	.212 .080 6 .231 .159 6 .222 .278 .315 .158 .396 .60	
55				.173 .078 15 .140 .261 .326	.219 .195 17 .101 .458 .567	.323 .168 72 .297 .514 .589	. 297 177 22 .135 .101 .7 .404 .453 .490 .101 .185 .49	
50				.071 .067 14 .050 .125 .234	.280 .179 12 .232 .523 .532	.178 145 73 103 380 489	.225 .156 .84 .205 .156 .139 .448 .510 .143 .429 .55	
45	.157 .129 60 .097 .294 .535			.068 .054 38 .047 .097 .208	.203 .176 .22 .137 .445 .538	.106 .081 .78 .061 .148 .357	.136 .083 .47 .299 .160 .114 .144 .472 .316 .456 .46	
40	.098 .058 <b>93</b> .083 .137 .278		.061 .017 13 .037 .076 .094	.126 .084 11 .083 .225 .278	.123 .092 99 .095 .185 .423	.086 .053 152 .077 .113 .231	:117 :047 :11 :103 :144 :219	.099 .069 379 .081 .141 .319
35	.054 .017 43 .050 .074 .087		.075 .034 10 .087 .104 .123		.079 .050 198 .068 .120 .233	.078 .037 39 .084 .115 .147		.075 .045 299 .063 .113 .223 3
30 .	.074 .016 13 .071 .089 .107	.062 .013 9 .057 .075 .086	.091 .002 8 .091 .093 .094	.078 .026 15 .072 .111 .122	.055 .038 311 .047 .081 .184			.058 .037 356 .052 .085 .181
25	.038 .003 5 .037 .041 .043	.080 .008 .092 .081 .088 .092	.073 .026 12 .077 .093 .108	<del></del>	.050 .030 265 .044 .077 .115	.131 .011 6 .128 .137 .150		.055 .032 321 .047 .087 .131
20		.034 .018 16 .026 .046 .076	.042 .036 .7 .025 .093 .100	.044 .020 60 .039 .067 .084	.040 .020 62 .032 .056 .098	.088 .033 10 .105 .119 .121		.044 .025 .155 .036 .067 .118
15		.031 .007 26 .030 .038 .044	.034 .013 62 .036 .045 .062		.042 .020 .22 .037 .056 .092	.049 .007 19 .048 .057 .064		.035 .014 .163 .034 .047 .068
10		.026 .006 22 .026 .031 .042	.022 .007 .11 .021 .030 .034	.018 .002 3 .018 .020 .021	.033 .004 11 .033 .036 .043	.052 .006 8 .053 .058 .060	.045 .016 10 .044 .056 .079	032 013 65 030 046 059
5		.026 .004 21 .027 .029 .032	.023 .003 9 .023 .025 .029	.019 .002 4 .019 .020 .021	.056 .017 7 .064 .069 .072		.024 .002 4 .024 .026 .028	.029 .014 45 .025 .031 .069
0		.027 .008 18 .027 .032 .045	.020 .007 19 .018 .030 .033	.019 .002 7 .020 .020 .021	.029 .006 7 .029 .035 .039		.026 .004 3 .024 .029 .031	.024 .008 54 .021 .031 .040
5		.022 .006 21 .023 .028 .034	.015 .003 .22 .016 .019 .021	.018 .003 6 .018 .020 .022	.030 .004 2 .030 .033 .034			,018 ,025 ,034
10	■.	.021 .003 12 .021 .023 .027	.018 .004 .26 .017 .022 .028					019 004 41 019 022 028 1
15		.028 .008 16 .026 .032 .047	.027 .006 .29 .028 .033 .034	.048 .028 12 .048 .087 .094				,028 .035 .091
20		.033 .006 14 .033 .035 .047	.033 .013 17 .028 .044 .065	.059 .037 17 .057 .094 .131				.042 .026 .48 .031 .062 .116 2
25			.052 .015 20 .053 .066 .079	.046 .030 .26 .047 .083 .107				.031 .068 .103 2
30			.097 .042 17 .090 .135 .199					.086 .059 58 .062 .142 .229 3
35			.098 .082 <b>73</b> .065 .130 .391	.172 .094 .21 .141 .305 .335				.114 .091 94 .069 .189 .385 3
40			:111 :025 3 :114 :132 :140					.111 .025 3 .114 .132 .140 4
45S	· · · · · · · · · · · · · · · · · · ·		<u> </u>	<u></u>	<u> </u>			
1	15E 61	OE 10	15E 1:	50E 1	65W 11	20W 7	75W 30W	15E

TABLE VII. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR JULY

#### (e) Flight level 370

CODE:	MEAN ST. DEV. 50% 84%	N 98%		JULY FL 370	
					MEAN
			.507 .102 17 .533 .581 .612	.428 .144 28 .463 .585 .635	.458 .135 .45 .507 .586 .630
			322 167 55 .528 .086 21 320 522 573 .545 .596 .620	.382 .129 43 .322 .164 30 .408 .513 .582 .315 .518 .551	.368 .163 149 .377 .534 .604
		.394 .153 20 .465 .509 .620	.353 168 70 .452 106 33 .369 .532 .570 .476 .564 614	.374 .145 33 .305 .192 33 .433 .502 .549 .314 .490 .616	.370 .165 189 .414 .531 .613
		.262 .167 59 .247 .460 .535	. 176 . 149 . 26	.389 .143 67 .302 .139 45 .433 .519 .554 .292 .460 .522	.331 .169 242 .254 .516 .355
		.205 .160 75 .129 .373 .554	.249 .201 49 .196 .137 44 .137 .511 .616 .167 .311 .534	.268 .153 .46 .197 .106 .24 .211 .466 .527 .225 .316 .327	.224 .162 238 .112 .432 .564
		.090 1 .178 .155 79 .109 .426 .517	.168 .157 29 .144 .081 73 .096 .382 .493 .116 .228 .343	.159 121 68 .112 .022 8 .127 .247 .528 .118 .123 .143	.160 .127 258 .094 .269 .510
.128 069 .096 194 2	12 . 047 1 82	.070 .032 37 .130 .102 27 .069 .099 .139 .096 .153 .407	097 081 52 .092 .064 395 .071 138 340 .083 .121 300	.142 .099 14 .109 .185 .402	.095 .069 538 .081 .124 .339
	5 16	.117 .064 17 .077 .025 12 .114 .158 .263 .074 .103 .122	.072 .044 .238 .098 .068 .57 .066 .100 .175 .092 .142 .286		.060 .051 329 .071 .113 .270
.081 .006 .079 .087 .0	5 .071 .007 3 88 .070 .077 .080	.066 .031 16 .062 .076 .146	.065 .047 447 .050 .017 3 .053 .090 .235 .047 .065 .072		.065 .046 474 .054 .086 .228
	.043 .012 14 .047 .053 .057	.049 .012 4 .084 .059 12 .047 .061 .064 .059 .175 .191	.048 .030 387 .040 .075 .129		.048 .031 417 .041 .074 .146
	.037 .016 19 .036 .048 .077	.042 .006 15 .069 .037 54 .042 .049 .050 .060 .097 .139	.048 .028 66 .082 .022 5 .044 .071 .098 .068 .102 .119		.054 .032 159 .048 .081 .122
	.026 .007 7 .024 .034 .038	.039 .012 39 .041 .016 4 .038 .050 .066 .034 .053 .067	.034 .014 13 .055 .010 18 .042 .047 .056 .054 .065 .075	.030 .007 3 .030 .036 .039	.040 .014 84 .033 .055 .070
	.016 1	.023 ,007 3 .022 ,029 ,032	.025 .013 25 .066 .013 11 .027 .037 .051 .062 .077 .093	.063 .022 14 .060 .083 .105	.043 .025 54 .023 .067 .099
	021 002 13 021 023 024	.027 .008 13 .022 .034 .041	.043 .019 .24 .041 .057 .082		033 017 50 023 051 066
		.032 .008 6 .037 .038 .041	048 016 15 040 066 077		.043 .016 21 .037 .065 .077
		.034 .004 <b>6</b> .035 .037 .040	.028 .012 26 .028 .036 .055		.029 012 32 .029 .036 .054
		.042 .014 .21 .048 .055 .058	.038 .013 7 .042 .053 .055		.041 .014 28 .041 .054 .058
		.039 .012 17 .043 .048 .061			.039 .012 17 .043 .048 .061
		.025 .003 2 .042 .008 11 .025 .027 .028 .045 .049 .053			.040 010 13 .043 .047 .053
		.025 .004 6 .051 .004 6 .024 .027 .032 .051 .054 .058			.038 .013 12 .034 .051 .058
	·	.063 .030 6 .158 1 .053 .094 .113			077 .043 7 .054 .118 153
		.139 .063 64 .264 188 40 .127 .204 .281 .184 .337 .720			.187 .140 104 .115 .270 .695
		.103 042 4 .082 132 170	-		.103 .042 4 .082 .132 .170

TABLE VII. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR JULY

(f) Flight level 390

CODE:	MEAN ST. DEV. 50% 84%	N 98%			JULY FL 390	
						MEAN Ł
ATT. 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				.577 .093 .578 .674	9 .574 .074 12 .679 .584 .652 .665	.575 .083 21 .581 .664 .678 7
			414 016 3 .418 .428 .431	.399 .165 95 .540 .106 .469 .549 .602 .564 .626	41 .441 .171 29 .593 .004 3 .680 .517 .801 .629 .593 .596 .598	.444 .163 171 .503 .589 .654 6
			419 146 92 460 555 620	.355 .155 65 .509 .103 .338 .534 .608 .504 .602	62 .476 .129 69 .370 .174 30 .698 .503 .614 .670 .342 .582 .610	.434 .150 338 .407 .578 .657 6
			.364 155 66 .366 534 614	.315 .115 36 .448 .166 .311 .417 .557 .529 .585	81 .326 .163 49 .280 .107 100 .641 .315 .526 .633 .292 .373 .485	348 156 332 325 538 630 5
			.255 185 128 180 494 .562	.333 182 95 315 185 .348 540 594 287 545	45 .182 .128 51 .292 .111 48 .588 .153 .316 .517 .315 .403 .443	:277 :176 367 :254 :506 :577 5
		.099 .021 4 .104 .118 .121	.184 .145 96 .115 .378 .539	.197 .135 52 .252 .190 .157 .340 .476 .135 .491	14	.191 .144 236 .124 .381 .543 4
.062 .009 .064 .067 .0	10 )78	.085 .024 17 .083 .114 .118	.108 .063 55 .089 .179 .268	.140 .101 24 .124 .080 .077 .253 .313 .097 .180	167 .154 .049 5 .370 .137 .211 .213	.118 .077 278 .089 .187 .339 4
092 011	4	.098 .068 19 .086 107 282	.082 .086 .28 .069 .081 .290	.082 034 23 .097 052 .061 128 136 .085 158	62 .119 .023 6 .225 .127 .136 .145	.093 .060 142 .063 .125 .226 3
.085 .011		5 194		.107 .093 .87 .129 .016 .078 .179 .411 .127 .143	14 .078 .002 3 .159 .078 .079 .080	.107 .083 112 .077 .165 .398 3
		8 .045 .008 8 61 .046 .046 .061		.073 .089 46 .133 .008 .052 .076 .436 .134 .139	. 144	.074 .076 70 .050 .127 .341 2
		2 .042 .008 16 69 .041 .050 .057		.031 .018 11 .117 .018 .052 .060	1	.042 .021 30 .038 .055 .089 2
		.030 .006 8 .029 .037 .040		055 022 15 054 064 103		.047 .022 23 .043 .063 .095
				.041 .011 23 .038 .049 .066		.041 .011 23 .038 .049 .066
				.049 .010 25 .049 .058 .070		.049 .010 25 .049 .058 .070
	·			.035 .025 31 .027 .062 .090		.035 .025 31 .027 .062 .090
				.035 .016 .26 .042 .050 .053		.035 .016 26 .042 .050 .053
			.026 .017 23 .026 .045 .053	.038 .020 5 .049 .055 .058		.028 .018 .28 .027 .049 .056
			.026 .015 17 .028 .035 .058			.026 .015 17 .028 .035 .058
			.046 .038 12 .031 .086 .125			.046 .038 12 .031 .086 .125 2
			.061 .070 11 .011 .151 .161			.061 .070 11 .011 .151 .161 2
		.139 .027 16 .144 .162 .176				.110 .053 .23 .137 .153 .175 3
		.210 .119 6 .147 .350 .403	<del></del>			.136 .105 28 .091 .235 370 3
						4
						1

TABLE VII. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR JULY

(g) Flight level 410

JULY

																							ME	AN	,
											.188 .131	.107 .256	. 394	. 502		1								.148	. 49
								. 386 . 386	. 077	. 459					. 137 . 570			. 117 . 605	50 . 684	. 358 . 345	. 125 . 491	. 595		. 134 . 571	. 67
								.311 .315	. 182 . 520	36 . 558				. 483 . 520	. 105 . 567	. 601	. 443 . 507	140 576	. 607	.460 .511	. 145 . 574	63 . 646	.430 .501	. 157 . 566	. 64
								. 228	. 098	. 456	.183 .133	. 140 . 179	. 494	. 309 . 270	183 550	. 602	. 283 . 246	.158 .434	. 598	. 341 . 346	. 091	16 ,541		. 159	. 59
350 337		. 508			.152	. 094	. 374	. 209 . 207	.110	. 475	<u> </u>	. 155 . 477	. 561	. 207 . 166	.118 .316	. 533	. 362 . 362	. 110 . 436	. 46 <b>7</b>	. 091 . 090	.007	. 106	. 223 . 160	. 132 . 357	. 54
209 167		. 499		T	.100	.116	. 248	268	. 190 . 504	.510		. 117 . 274	. 494	. 159 . 130	. 103	. 451	.314		1				. 162 . 101	.115	. 50
058 056		. 071			079	.021	. 110				<u> </u>	.035	. 132	. 127 . 093	.079 .170	. 336								.061 .128	. 2
053 051	. 004 . 057	.059									L	. 022	. 117										.063 .057	020	. 1
												.020	106										. 065 . 061	020	. 16
											.059 .064	.023	. 105										. 059 . 064	023 077	. 16
												.016	068											.016	. 00
											.037 .036	.003	. 041										.037	.003	. 04
																							<u></u>		
			 		,			.038	.009	. 049														. 009 . 047	. 04
				T				.048	. 022 . 063	. 078														. 022	. 07
								. 088 . 077	. 034	. 175														.034	. 17
			 	$\top$				. 135	. 053	. 203														. 053 . 189	. 20
								. 211	. 108 . 265	. 474													.211	. 108 . 265	. 47

TABLE VII. - Concluded. GASP AMBIENT OZONE DATA BY LATITUDE FOR JULY

(h) Flight level 430

																						ME	AN	
ON		T		T							7													
5									···															
▫┌											1													
5								. 303 . 258	. 077 . <b>36</b> 2	. 40								. 296 . 302					. 050	
								. 217 . 232			3							. 245 . 269				 236 229		
5 [				.2	59 65	186 509	6 526	. 263 . 233				7 .0	78 79	9 392	. 205 . 159			. 286 . 263	. 126 . 444	, 523	<u> </u>	. 273 . 262		
					36 43		30 544	. 197 . 151	. 096 . 341	. 36	. 2	56		1	: 147 : 132					,		 .215 :126		
5 <u> </u>				:1	88 66	126 302	. 368								.120 .123	. 016 . 133	. 136				<u> </u>	 ;159 ;123	. 102 . 227	. 35
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<u>`</u>	<del></del>		• • • • • • • • • • • • • • • • • • • •	+				240	100					•	ļ			<b> </b>		<u>.</u> ,	┼	 .340	. 182	
` <b> </b> -		_						328	. 182 . 503	. 72	<u> </u>				<u> </u>			<del> </del>			<del> </del>	 328	182 503	. 7
)  -												:			<b> </b>			<del> </del>			<del> </del>	 		

## TABLE VIII. - GASP AMBIENT OZONE DATA BY LATITUDE FOR AUGUST (a) Flight level 290

**AUGUST** 

_																								ME.	AN	
N																										
																					. 071		1	.071		1
									.037 .037	.002	. 039	.067 .075	025	. 099				. 081 . 082	.010 .089	. 099	.078 .076	. 020 . 091	47 115	. 076 . 077	. 020 . 090	. 110
	.082 .013 .080 .093 .1	20 06		_					. 046 . <b>046</b>	.008 .053	. 056	060 065	.008 .067	. 068	. 054 . 055	.002 .056	. 056	. 064 . 064	. 005 . 069	. 072	.083 .081	.003 .085	.087	.069 .067	.016 .085	. 101
l	.099 .038 .092 .118 .1	26 93				. 049 . 051	.011	. 063	. 058 . 058	005	. 062	.073 .076	.017 .009	. 089	.071 .081	.035	. 110	.067 .061	015	. 101				.081 .076	.035 .111	55 127
	.067 .015 .068 .083 .0	54 198				.042	.009 .051	. 051				.064 .048	.038 .098	. 137	.066	.016 .075	. 098	.079 .082	.012	. 096				.060	. 020 . 083	. 106
	.067 .028 .058 .082 .1	34 60	. 062 . 065	. 013 . 072	. 26 . 090	. <b>05</b> 0		1							. 058 , 058	.002	. 059	.087 .094	.013 .096	. 096				.066 .059	. 023 . 081	. 135
	.072 .028 .052 .101 .1	5 14	.024	.013	. 055	. 047 . 047	, 002 , 049	. 050				. 031		1	. 104		1							.040 026	.028 .056	.110
l			.034	.010	20 052	. 039	.009	. 050				.035	012	10 ,049	. 063		1							036 037	.011 .047	35 . 056
			. 022 . 024	.010 .034	18 .038	. 022 . 017	.008	. 032				. 025		1	. 060		1							024	.012 .034	. 051
l			. 029	. 007 . 035	17 . 040	. 013		1 .							. 044		1							029 031	.008	. 043
l			.026 .025	.007	23 .041										. 041		. 1							027 025	.008 .034	. 042
l			. 032 . 035	.009	10 .041	.019 .018	.004	. 025																.027 .024	.010 .040	16 .041
l						.018	.003	. 023																.018 .017	.003 .022	. 023
						, 025 , 025	. 006 . 028	.030	. 018		1													.022	.005 .026	. 030
1			. 072 . 073	014	. 093	.018		1	. 027 . 025	.003	. 031													.047 .031	.025 .076	. 091
			. 047 . 043	.008 .054	6 061	. 040		1	.019		1							.048 .048	.014 .057	. 0 <b>60</b>				.043 .042	.012 .057	. 062
						. 063 . 049	.024	.104	. 025 . 025	.001	. 027													.053	.027 .081	. 103
						. 065 . 056	.028																	.065 .056	.028 .092	.112
						. 054 . 058	.017 .067	. 079	. 050 . 055	.010 .059	. 061													.052 .057	.014 .064	. 077
0 5S	<del></del>	_								,			<u> </u>		ļ			<b></b>	-			<del>,</del>				

ST. DEV. CODE: 50% 84% 98%

AUGUST FL 310

																							ME	AN	
																				<u> </u>					
<u> </u>											.134 .113		. 204				. 097 . 090	.034 .108	. 177	.096 .084	. 102	. 204	.106 .088	135	. 211
								. 044		1	.196 .185	. 033	. 258				.076 .075	.002	. 07 <del>9</del>	.084 .074	. 043 . 092	. 255	100	.057 .168	. 260
.075 .011 .072 .08														.048 .046	.005 .052	. 055				.083 .085	.018 .101	. 107	.075 .066	.020	.114
.069 .01 .064 .08	4 .115				. 053 . 056	.007 .059	. 060	.045 .046	.006	. 052	:072 :074	.026	.117	.063 .068	.021	. 095	.085	.013 .096	. 098	.085 .082	,010 ,093	. 097	.068		.115
.064 .01 .062 .07					. 055 . 053	.016 .065	. 090					.103	. 143	.057 .057	.010 .067								060		. 131
.066 .01 .068 .07		.047 .046		. 073	. 052	.004 .055	. 057	ļ			.065 .072	.026	. 098	. 066		1	L						.054 .049	016	. 092
.047 .006 .047 .05	6 15 3 .065		.009 .041	. 050	.043 .041	.008	. 055	.042 .042		.044	:041	.004	, 045				ļ						.040		. 061
			.006	. 038	.041		. 046	.038 .037	.009	12 057	.032 .035	.012 .037	. 048										031	.010	.052
			.008 .032	. 045	.020 .018	.008 .025	. 035	.017 .016	.009	. 038	.026	.007	. 035	. 067	<del></del> .	1							.024	010	. 045
			.006 .039	. 043				.022		1	.019 .019	.003	. 023	:041 :041	:010	. 050	.042		1				.028	.008	. 046
			. 007 . 036	. 036		······		:014 :013	.006	. 024													.023		. 037
···			. 003 . 044	.044	.031		. 047										, 066		1				.038	.010	. 061
		.034	.005 .039	.041	.024	.029	. 037										062 063	.002	. 064				.031 .027	013	. 064
		.033	.008 .042	.046	.023 .020	.029	. 034	. 036		1	<b></b>						: 071 : 070	002	. 074				:031 :027	015	. 072
					. 027 . 027	.005	. 035	.032		1							066 065	001	. 068				.036 .027	.017	067
		.042		1	.028	004	. 036	. 056		1							.057 .055	.005	. 066				.037	.014	. 063
					. 042 . 037	.022	. 090	. 027		1				ļ			.061		1 				.042 .037	.022	. 090
					. 059 . 059	.022	. 106				ļ						<u> </u>						.059 .059	080	. 106
··					.099 .070	.088	. 294	. 085 . 083	.031	. 144													.092 .060	.066 .108	. 272
·									······			•											<b>  </b>		
																	<u> </u>						5E		

TABLE VIII. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR AUGUST

(c) Flight level 330

**AUGUST** 

								MEAN
			.086 024 6 .077 117 119	.115 1	.153 .090 5 .088 .262 .267	.369 .040 5 .354 .404 .434		.191 .130 17 .117 .346 .421
			.072 018 11 .070 096 098	.130 .023 .6 .132 .143 ,163	.142 .072 11 .113 .198 .296	.211 .125 18 .239 .343 .414	.112 .093 57 .080 .126 .369	.129 .099 100 .084 .230 .398
			.084 020 18 .086 094 133		.070 .010 4 .071 .079 .082	.142 .084 37 .109 .242 .333	.093 .036 48 .085 .117 .142	.107 .061 10 .091 .121 .324
094 .031 32 082 .139 .165			.083 .035 12 .072 .116 .159		.068 .021 13 .067 .092 .101	.096 .027 70 .094 .119 .167	.076 .010 6 .072 .085 .095	.091 .029 13: .086 .118 .174
100 .053 77 083 .143 .262		.089 .038 5 .096 .127 .134	063 037 20 045 097 146	. 094 1	.060 .024 18 .056 .086 .107	.078 .021 14 .079 .092 .117	.056 .013 2 .056 .064 .068	.086 .047 13 .075 .117 .23
062 .015 75 061 .076 .090		.049 .018 <b>26</b> .046 .068 .090		.070 .040 44 .061 .086 .217	.091 .034 8 .097 .111 .137			.063 .028 15: .059 .081 .13
068 .016 22 067 .035 .097	.053 .012 38 .048 .065 .079	.040 .018 <b>32</b> .040 .052 .079		.046 .015 85 .042 .057 .083	.051 .020 21 .043 .076 .094	.060 1		.049 .016 19 .046 .068 .09
042 .004 <b>2</b> 0 043 .046 .047	.043 .013 68 .041 .058 .070	.043 .015 <b>40</b> .044 .057 .070	078 .024 12 083 .101 .117	.043 .018 48 .042 .063 .078	.070 .021 14 .073 .089 .103	.076 .014 5 .069 .087 .100		.048 .019 20 .044 .066 10
	.032 .008 77 .030 .040 .049	.031 .010 10 .030 038 .050	.032 .011 22 .035 .041 .047	.026 .013 12 .019 .036 .054	.058 .007 4 .060 .064 .066	.054 .013 5 .056 .066 .069		.033 .012 13 .028 .043 .06
	030 008 39 028 038 045	.024 .007 15 .025 .029 .034	.031 .002 6 .031 .033 .035	.025 .002 3 .023 .026 .028	.068 .013 13 .071 .081 .083	.026 .015 5 .024 .043 .044		.034 .017 8 .029 .045 .08
	026 .005 15 .026 .030 .039	.018 .001 4 .018 .019 .019		.030 .013 5 .024 .045 .046		.046 .006 8 .045 .047 .058		.031 .012 3 .023 .045 .05
	032 014 17 027 050 058	.017 .003 <b>5</b> .017 .020 .023			.042 .009 7 .038 .045 .060	.039 .007 17 .039 .047 .050		.035 .012 4 .030 .048 .05
	027 006 11 028 033 036	.018 .005 19 .019 .022 .027				.053 .012 17 .052 .062 .078		.033 .018 4 .028 .053 .07
	041 006 6 043 044 045	.019 .006 <b>23</b> .019 .022 .033				.048 .005 7 .046 .052 .056		.028 .014 3 .021 .044 .05
-	.040 .005 6 .038 .043 .049	023 007 27 022 031 033	.028 .003 5 .027 .031 .033			.046 .004 5 .048 .049 .050		.029 .010 4 .030 .039 .05
	.038 .004 8 .039 .041 .044	.027 .008 <b>34</b> .028 .036 .041	.026 .005 <b>9</b> .027 .029 .032	.042 .010 14 .044 .051 .053		.058 .002 8 .058 .059 .062		.034 .013 75 .031 .048 .05
	055 014 7 050 073 073	.036 .014 52 .034 .043 .071	.036 .011 17 .032 .046 .051			.055 .000 2 .055 .055 .055		.038 .014 76 .034 .050 .07
		.073 .052 <b>32</b> .064 .082 .227	.060 .040 51 .044 .096 .187					.065 .045 8: .053 .094 .22
		.077 .024 .22 .068 .112 .126	.101 .057 65 .082 .154 .275					.095 .052 8 .075 .132 .26
		.094 .076 38 .079 .112 .333	.138 .071 21 .121 .218 .286					.109 .077 5 .086 .171 .32
			.183 .101 9 .130 .305 .375	-				.183 .101 .130 .305 .37
			. 372 1					. 372

TABLE VIII. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR AUGUST

(d) Flight level 350

AUGUST

								MEAN
				.050 .010 4 .045 .057 .066	.061 .012 4 .062 .073 .075		212 092 9 229 263 375	.164 .097 27 .137 .262 .356
				.296 .074 11 .314 .335 .364	.275 .118 67 .299 .392 .460		132 .085 24 097 .225 .337	.243 .123 102 .266 .369 .453
			.119 1		.221 .114 52 .212 .340 .437	.202 .381 .427 .	161 .094 65 131 .256 .400	.195 .115 146 .137 .331 .425
			. 113 .068 48 085 .171 .303	.047 009 10 .050 054 059	.161 .115 50 .111 .277 .400	.079 .171 .373 .	119 075 132 088 185 358	.119 .084 354 .080 .191 .375
.132 .067 32 .105 .201 .301		.178 .049 3 .149 .216 .243	.096 .065 81 .063 .145 .284	.072 .044 39 .055 .102 .192	.101 .070 .77 .077 .146 .315		118 .045 8 .100 .127 .219	.109 .076 295 .086 .164 .356
.143 .078 35 .124 .226 .314		.060 .017 36 .061 .072 .096	.080 .041 34 .065 .125 .163	.077 .045 245 .068 .105 .189	.075 .045 150 .068 .099 .217	.069 .010 10 .090 .095 108	.118 .042 3 .101 .152 .173	.080 .049 513 .070 .109 .228
.062 .023 137 .057 .077 .122		.065 .019 12 .068 .077 .100	.067 .027 6 .060 .076 .118	.064 .037 113 .056 .091 .177	.058 .034 6 .052 .101 .102			.063 .029 274 .042 .087 .130
.050 .016 64 .051 .068 .084	.039 .018 35 .034 .059 .076			.057 .032 185 .054 .080 .144	.067 .010 10 .066 .075 .083			054 028 294 047 073 121
.042 .007 37 .042 .049 .053	.038 .008 15 .034 .045 .053	.030 1	.058 .010 <b>7</b> .057 .066 .075	.046 .021 162 .042 .066 .093	.061 .011 18 .063 .070 .081			.046 018 240 .040 .064 .093
	.038 .009 38 .036 .047 .061	.026 .009 6 .023 .029 .044	.044 .017 60 .038 .064 .079	.052 .034 52 .046 .065 .187	072 016 15 078 081 101			.047 .024 17 .039 .065 .102
	.031 .009 18 .031 .037 .049	.025 .006 27 .025 .032 .036	.029 .010 10 .026 .042 .044	.030 .012 27 .027 .036 .062 .	.060 006 11 .062 066 067			.032 .014 93 .028 .044 .06
	.025 .015 32 .021 .041 .062	.016 .003 4 .017 .018 .019	.025 .004 5 .024 .030 .030	.025 .008 21 .023 .032 .042	.062 .012 17 .061 .070 .088	.050 .016 9 .042 .065 .073		.034 .020 80 .024 .060 .070
	.024 .012 23 .019 .040 .045	.015 .002 7 .015 .017 .018	.027 .004 9 .025 .031 .031	.027 .014 26 .021 .042 .058	.043 001 3 .043 044 045	.052 .010 15 .052 .060 .072		.030 .016 8: .023 .047 .06:
	.028 .011 21 .028 .040 .046	.020 .007 28 .020 .027 .032	.021 .010 <b>39</b> .019 .034 .041	.029 .016 6 .019 .052 .058		.056 .009 18 .055 .065 .075		.028 .016 112 .019 .046 .066
	.028 .004 8 .028 .030 .033	.022 .007 39 .020 .027 .037	.021 .008 34 .020 .026 .040			.063 .011 21 .059 .074 .083		.030 .018 10 .022 .052 .07
	.026 .000 4 .026 .027 .027	.024 .006 35 .022 .030 .040	.026 .008 36 .026 .032 .045			.077 .015 20 .075 .093 .101		.036 .023 95 .026 .068 .095
	.028 .004 13 .026 .034 .036	.026 .007 38 .026 .034 .039	.025 .007 25 .027 .032 .036	.032 .004 12 .033 .034 .039		.072 .017 18 .074 .084 .101		.035 .019 108 .029 .042 .085
	.033 .005 12 .033 .039 .041	.029 .010 35 .025 .042 .047	.037 .011 37 .034 .050 .058			.071 .016 6 .065 .084 .101		.036 .015 9 .025 .048 .06
		.060 .051 34 .048 .091 .191	.059 .033 46 .049 .086 .175			.090 .042 3 .066 .123 .147		.061 .042 6: .049 .088 .17
		.071 .026 42 .064 .101 .130	.090 .046 64 .078 .141 .199			.352 .038 7 .356 .384 .398		.099 .076 11: .068 .142 .36
		.128 .056 44 .123 .190 .256	.173 .093 32 .159 .227 .385			.157 .046 3 .147 .195 .215		.147 .076 79 .139 .217 .28
			.179 .058 .11 .158 .233 .301					.179 .058 1 .158 .233 .30

TABLE VIII. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR AUGUST (e) Flight level 370

,	CODE:		ean s 50%	ST. D 84%		N 98%																Fl	. 370			
																								ME	:AN	
			,															.437 .476	.072	.486				.437 .476	. 072 . 484	.480
	··	$\top$			- T				118	.060	13	. 194 . 134	. 137	. 467	.307	.147	. 505	412	.122	.519	:117	.024 .135	. 165	. 208 . 130	. 147 . 392	.514
				···					244	121	34 . 451	. 254 . 264	.113	. 45 . 460	.242	. 075 . 320	17 .386	. 296 . 309	.115 .405	. 470	.159 .130	.073	. 294	. 247 . 244	.112	.46
									. 258 . 255	.119	. 433	.205 .187	.081	. 367	. 197 . 152	:121 :290	.511	270 225	.170 .467	. 529	. 220	.136	. 458	.237 .170	. 136 . 402	. 503
									.118 .071	.108	82 . 401	. 192 . 200	. 134 . 331	116 .470	: 143 : 123	. 108 . 285	34 333	.194 .130	. 121 . 365	. <b>88</b> . 421	.130 .126	. 048 . 174	7 <del>6</del> . 244	.161 .070	.116 .290	396 . 446
166 .0 151 .2	60 24 44 . 260	1				. 247 . 247	.007 .252	. 254	.130 .087	. 109 . 250	182 .409	. 127 . 089	. 104 . 250	67 . 357	.109 .094	. 069 . 170	47 .316	. 097 . 091	, 050 . 121	69 203	134	. 050 . 178	31 . 236	. 125 . 056		. 379
.094 .0 .073 .1	61 22 46 .241	2				. 061 . 058	. 026 . 092	63 . 128	. 081 . 056	. 078 . 107	110 .420	. 087 . 067	.064 .113	54 .313	. 069 . 062	.035	240 163	.096	.016	14 135				.074 .061	. 052 . 098	500 252
.055 .0 .055 .0	11 15 61 .076	3				. 049 . 047	.015 .061	. 53 . 094	. 056 . 053	. 022	25 .116	. 0 <b>66</b> . 060	. 034 . 090	. 142	, 081 . 087	. 026 . 101	. 129	.099	.011 .108	. 114				. 064 . 058		. 123
.072 .0 .075 .0	14 17 85 .094		.054 .053	019 076	. 085	. 034 . 040	.014 .046	. 14 . 051				. 055 . 049	.027 .079	203 .117	. 087 . 088	.002 .088	. 088	.112 .125	.025	. 134				.056 .050		. 12
042	1		.067 .065	013 082	. 083	. 061 . 061	. 009	11 080				.047 .042	.018	179 .083	. 065 . 062	.010	. 07 <b>8</b>	.092 .092	.026	, 122				.050		. 089
***			.038 . .037 .	013 057	. 062	. 044 . 043	.016	. 07 <b>7</b>	. 044 . 041	.011 .053	. 062	.037 .035	.014 .052	38 . 064	. 073 . 077	.010	. 083	077	012	.096				043		. 08 180 .
···			.026 . .027 .	011 038	34 . 043	. 025 . 026	. 007 . 030	. 035				. 027 . 024	.014 .037	. 063	. 066 . 069	.012	. 083	. 065 . 064	. 005 . 068	. 072				. 031 . 025		. 07:
			. 028 .	004 031	. 16 . 036	. 021 . 021	.005 .027	. 028	.021 .014	011 037	. 041	. 025 . 021	.011	43 053	. 067 . 070	.014 .079	15 .089	. 060 . 059	.005	. 068				.032		104 . 079
		$\perp$	. 025 . 026	007 030	. 038				. 021 . 016	.012	. 050	. 026 . 024	.012 .036	. 052				. 067		1				. 024 . 023		. 055
		$\perp$	. 039		١				.022	, 009 , 029	. 044	.029 .032	007	17 .041				.064 .069	.011 .075	075				.029 .025		. 075
		$\perp$							. 028 . 025	.011 .035	. 51 . 054	. 056 . 060	.010 .062	. 071				074 082	.016	.098				. 043 . 032		. 086
						.017 .017	003	10 .021	.029 .027	.009 .035	. 42 . 051	. 056		1				070 066	014	. 0 <b>9</b> 5				.039 .028		, 089
	4. 11	_L				. 027 . 028	.006	. 034	. 034 . 029	. 014 . 047	34 .069							.067 .063	.012 .079	16 .096				.043		. 089
····						.020 .018	.007 .022	. 034	. 039	.011 .049	. 056		_					. 059 . 058	.010 .068	. 074				. 042 . 039		. 071
		$\bot$				.039 .036	012 052	16 .061	. 106		1							.218 .218	. 125 . 302	. 337				.061		. 257
						132	. 129 . 337	. 433	124	.033	. 10 . 198							.483 .484	.023 .502	.512				. 160 . 100		. 490
						.172 .138	. 111 . 310	70 . 473	. 175 . 159	. 077 . 262	. 16 . 313							. 223		1				. 173 . 153	105 294	. 456
													-													

ST. DEV.

**AUGUST** 

#### TABLE VIII. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR AUGUST

(f) Flight level 390

CODE: MEAN ST. DEV. N 50% 84% 98% AUGUST FL 390

									MEAN	LAT
70N						.529 .016 6 .536 .541 .546	.513 .047 2 .513 .545 .558		.525 .028 8 .536 .546 .558	70N
65					.270 .118 96 .292 .393 .455	.380 .106 38 .377 .489 .521	.462 .093 19 .483 .540 .569		.321 .132 153 .340 .462 .539	65
60				.291 .115 54 .306 .397 .475	.294 .129 76 .323 .432 .481	.364 .105 41 .391 .501 .563	.432 .033 19 .433 .467 .490	.297 .120 27 .360 .408 .433	.323 .125 217 .360 .414 .518	60
55				.304 .097 59 .302 .394 .483	.325 .133 19 .273 .468 .500	.373 .112 26 .400 .466 .528	.340 .120 28 .406 .447 .470	.298 .070 38 .300 .371 .431	.322 .106 170 .315 .440 .507	55
50				.194 .140 148 .144 .382 .499	.172 .116 111 .142 .287 .458	234 .113 28 194 .342 .485	.300 .092 20 .282 .396 .416	.137 .055 35 .129 .190 .272	.190 .127 342 .133 .351 .488	50
45	.213 .088 .171 .329 .34	8 8	.102 .004 2 .102 .105 .106	.125 .110 125 .078 .210 .444	.207 .146 61 .158 .421 .515	.106 .063 46 .094 .137 .308	.134 .080 .45 .106 .212 .370	.171 .063 27 .157 .215 .340	.145 .111 314 .091 .239 .471	45
40	060 009 1 060 067 07	3 6	.113 .051 13 .093 .140 .244	.080 .090 107 .044 .110 .330	.106 .036 27 .096 .151 .164	.084 .038 236 .077 .123 .160	.107 .005 10 .108 .111 .114		.085 .057 406 .063 .121 .278	40
35	.037 .003 .037 .039 .04	2	.065 .032 <b>36</b> .066 .097 .121	.056 .019 .76 .056 .070 .105	.081 .043 19 .078 .119 .173	.076 .027 47 .076 .093 .139			.066 .029 182 .056 .093 .135	35
30			.057 .024 62 .055 .073 .112	.061 .007 14 .061 .066 .075	.082 .027 28 .086 .108 .135	.127 .013 7 .127 .135 .147			.068 .030 111 .063 .096 .133	30
25	.071 .009 .068 .083 .08	7 .076 1 6	.043 .019 30 .037 .066 .061		.067 .025 26 .076 .092 .101	.085 .024 6 .072 .118 .119			.059 .026 70 .044 .083 .112	25
20		.053 .008 9 .055 .060 .064	.060 .024 14 .065 .087 .096		.029 .015 24 .027 .048 .055				.043 .023 47 .046 .064 .091	20
15			.027 .014 16 .028 .038 .057		.029 .015 28 .030 .045 .060 .				.028 .015 44 .023 .039 .061	15
10		.017 .008 16 .019 .025 .029	.018 .006 15 .015 .025 .027	.030 .009 4 .028 .037 .044	.030 .017 31 .029 .047 .070				.024 .014 66 .015 .034 .057	10
5		.020 .004 9 .022 .023 .024		.035 .005 3 .035 .039 .041	.013 .010 9 .010 .025 .030	.047 .011 3 .048 .056 .060	.079 .011 4 .084 .086 .087		.030 .024 28 .017 .056 .086	5
0		.023 1	. 024 1		.035 .016 24 .035 .052 .062		.078 .003 4 .078 .081 .083		.040 .021 30 .036 .061 .080	0
5					.032 .015 24 .029 .052 .061				.032 .015 24 .029 .052 .061	5
10				.027 .010 23 .023 .038 .050	.031 .005 4 .028 .035 .039				.028 .009 27 .024 .039 .049	10
15			.016 .002 5 .017 .018 .020	.035 .013 14 .035 .041 .062					.030 .014 19 .026 .041 .061	15
20			.018 .002 8 .017 .020 .020	.031 .009 5 .037 .039 .040					023 009 13 019 037 040	20
25			.022 .002 7 .022 .023 .025						022 002 7 022 023 025	25
30			.050 .021 12 .064 .067 .070						.050 .021 12 .045 .067 .070	30
35			.178 .034 3 .200 .203 .204	. 265 . 140 . 43 . 276 . 424 . 547					.259 .137 46 .242 .422 .546	35
40										40
458										455
	15E	60E 10	5E 150E	E 16	5W 12	OW 7	5W 30V	W 15	E	

TABLE VIII. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR AUGUST

(g) Flight level 410

**AUGUST** 

		CODE	i:   '	MEAN 50%	ST. DE 84%		N 98%																Fl	410			
			<b>L</b>		· ·																				ME	AN	
N						<del></del>	<u> </u>						<u> </u>			<u> </u>			1								
Ì																. 489		1	1						. 489		1
Ī	<del> </del>									. 366 . 398	.062	. 452	. 396 . 404	.035	. 438	. 370 . 402	.082 .456	. 493	.451 .444	.100 .54 <b>6</b>	. 599	.448 .442	. 079 . 536	15 .578	418 422		. 581
Ī										, 381 , 403	.100 .470	.39 .510				.317 .299	.113 .451	41 .504	. 367 . 407	.125 .461	. 536	363 375	.114 .493	95 528	358 376	.116 .478	222 530
Ī										. 232 . 208	. 125 . 377	. 452	. 157 . 174	.074 .226	46 294	. 300 . 301	. 124 . 431	77 484	. 303 . 281	.130 .4 <b>64</b>	. 492	. 235 . 146	.167 .483	. 498	: 254 : 176	.133 .423	. 489
	. 173 . 177	.022	10 . 199				.142 .106	. 087 . 256	. 29 <b>5</b>	, 142 , 113	.075 .221	. 56 . 315	.194 .155	. 144 . 353	125 .569	. 223 . 212	.112 .370	102 445	.139 .119	. 056 . 189	. 288	.361 .347	.071 .450	. 465	.191 .105	.120 .314	360 474
I	.092	033	. 178				. 088 . 097	. 046	. 29 . 204	. 071 . 069	.014	. 101	. 157 . 133	. 094 . 261	98 .401	.086 .068	.062 .120	78 278	.138 .118	.052 .159	13 . 272				,116 :091	.079 .171	255 369
	. 065 . 085	.008 .091	12				. 059 . 053	. 025 . 096	. 12 . 103				.072 .068	. 025 . 096	. 121	134 117	. 057 . 204	16 . 243							088	.045 .114	.21
l	.080 .084	.018 .100	11 107										.062 .064	.020 .081	. 097										.068 .067	.021	. 106
I				:114	.018 .126	. 131	.011 .004	.019 .011	. 055				.050 .044	. 017 . 065	. 082										:043 :039	.030	. 110
Ī				. 075 . 077	.012	. 069	. 042 . 032	.021	. 086				036	008	. 047		_								.050 :040	.023	. 08
I							. 020 . 020	.006 026	. 031				.018 .019	008	. 031										.020	.026	.03
L				.020 .019	. 003 . 021	. 025	. 020 . 020	.004 .023	. 029				.034		1										020	005	. 03
L				. 027 . 027	. 004 . 029	. 030	. 022 . 021	.010 .028	. 039																:023 :021	.009 .029	. 03
L																			<u> </u>						<b> </b>		
L																			<u> </u>						<b> </b>		
L										. 026 . 026	. 000	. 026				<u> </u>			<u> </u>						.026 .026		. 02
l							<u></u>			. 032	.006 .038	. 041							<u> </u>						032		. 04
L							<u> </u>			.037 .035	.010 .045	.058													.037		. 058
L										.054 .047	.019 .066	. 105				<u>L</u>			<u> </u>						.054	.019	. 10
										: 144 : 121	.080 .252	. 317													144	.080 .252	. 317
L										270 267	142	15 546													.270 .267	.142 .421	, 546
l																									Ш		
ſ		-																				<u> </u>			15E		

LONGITUDE

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TABLE VIII. - Concluded. GASP AMBIENT OZONE DATA BY LATITUDE FOR AUGUST

(h) Flight level 430

	l	50%	84%		98%																	GUST 430			
																							ME/	AN	
													-								_		<u></u>		
			-				******																		
-																							<u> </u>		
								:170 :170	.003 .172	. 173										.277 .240	.070 .368	. 403		. 076 . 337	. 40
								. 176 . 187	048 210	. 21 <b>9</b>					. 149 . 331	507	.190 .191	.018	. 212					.087 .215	. 40
					.110	.083	. 10 . 293	. 138 . 133	. 069 . 202	. 23 . 273				.142 .119	.087 .268	. 321	. 297 . 285	.056 .357	, 396					270	. 3
					. 076	.043 .118	. 168	. 084 . 078	.019 .093	15 . 133				:118 :114	.029 .148	. 167	.313		1					.048 .126	. 22
					. 071 . 070	.009 .082	. 085					200	. 217	:111	.029 .135	. 154							1	.046	. 2
											.104 .096	.019 .124	. 142				<u> </u>			ļ					. 1
					.042	.009 .054	. 056						,							<u> </u>				.009 .054	. 0
					. 048 . 044	.014	. 065				<u> </u>			<u> </u>										.014	. 0
					. 032 . 032	.014	18 .056													<u> </u>			.032 .032		. 0
					. 027 . 026	.015 .037	. 055										L		·	ļ			027		. 0
		.018 .018	.004 .022	. 022	. 021 . 021	. 007 . 027	. 031							<u> </u>						ļ			.020 .018	.027	. 0
											<u> </u>			<u> </u>						↓			<u> </u>		
							-													ļ					
																				ļ			<b></b>		
								<u> </u>			<u> </u>						<u> </u>			ļ					
																				ļ			<del> </del>		
											<u> </u>									<u> </u>			<del> </del>		
											<u> </u>						<u> </u>			<del> </del>		.,-	209	.025	
								. 209 . 202	. 025	. 246	<b> </b>									<b> </b>			202	.025 .242	. 2
<u> </u>											<u> </u>	<u>.</u>		<u> </u>			ļ						1		
								1												<u></u>		1:	<u> </u>		

TABLE IX. - GASP AMBIENT OZONE DATA BY LATITUDE FOR SEPTEMBER

#### (a) Flight level 290

SEPTEMBER

																							ME	AN	
		T						<u> </u>			Γ			1									II -		
	******	†	<del></del>	•				<del></del>	<del></del>				<del></del>		<del></del>								<del>                                     </del>		
				··	ļ					<del></del>	<del>                                     </del>		····	<u> </u>				<del></del>							
							,													. 074 . 074	.014	. 087	.074 .074	.014	. 08
																				.080 .073	. 036	. 189	.080 .073	.036 .089	. 18
085 .02 081 .10	1 20 7 127																.040 .039	.004 .043	. 045	. 088 . 087	. 010 . 100	. 102	. 081 . 080	.023 .102	. 12
084 .02 080 .10	7 21 3 .152										.038 .038	011 045	. 049	.046 .039	.017 .058	. 081	. 050 . 046	.017	. 091				. 062 . 055	. 027 . 085	5 14
053 .01 050 .06					. 034 . 024	.021	. 070				. 030 . 031	011	13 .046	.023	.012 .033	. 038							.036 .032	.017 .049	. 07
055 .01 063 .06	3 3 5 .066	065 064	.007	. 13 . 075							.043 .042	009 054	. 056										. 056 . 058	.013	. 07
073	1				. 070 . 070	.006 .073	. 07 <b>5</b>				.027 .031	.014 .040	.042										.041 .039	. 024 . 070	. 07
·····	•••	042 040	. 006 . 046	.053	. 048 . 049	.021	. 074				.017 .018	014	. 041										. 035 . 039	.019 .052	. 07
		.031 .030	.001	. 033										.029	.002	. 032							030	.002 .032	. 03
		.029 .029	004	. 035								· · · · · · · · · · · · · · · · · · ·		.041		1							.030	006	. 04
		. 028		1													ļ			ļ			.028		
					. 026 . 027	.003	. 030							<u> </u>									026	.003	. 03
		ļ			.021	. 002	. 024				ļ						ļ			<u> </u>			.021	.002	. 02
	·				.022	000	. 022										ļ			<b> </b>			.022	.000	. 02
					.019	.001	. 019	:012	.012	.024	ļ			<b> </b>									015 019	.009	. 02
	<del></del>	.078		1				013	.006 .013	. 027	İ			ļ			. 077		1	<b> </b>			.020 .013	.020 .023	
					083	007		.037 .038	013	.052													.066 .077 .084 .080	.024 .084 .020 .103	. 09
···········	<del></del>	<b> </b>			092	.011	103	082	103	.119 .119				<b>_</b>					· · · · · ·	<b></b>		<del></del> -	.083	.061	. 11
		<b> </b>			.082 .068	.037	. 164 1	. 084 . 048	092 149	. 229	ļ						<b> </b>						.064	. 113	. 22
					. 121							•		<u> </u>			<u> </u>						<b>H</b>		

TABLE IX. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR SEPTEMBER

(b) Flight level 310

																							MEA	N.	
_							-										l								
																	.083	.039	. 179	.086 .080	. 049 . 101	.215	.086 .072	.045 .103	. 202
_																	.187 .158	.101 .288	. 365	.070 .061	. 032 . 099	. 147	:112 :080		. 358
																	.068 .060	.023	. 104	.069 .056	. 029	. 153	.069 .056		. 136
											. 103 . 089	. 052 . 145	. 196	:119		. 138	.065 .061	.020	. 107	.079 .088	.021	. 106	. 073 . 062		. 137
	.111 .015	. 125			.032	.002	. 034	.081 .071	.039 .122	11 .155	. 059 . 053	.020 .085	. 089	. 051 . 050	.027 :077	. 104	. 067 . 058	.019 .087	. 104				.059 .052		. 134
	078 .016 .073 .095	. 12 . 114			.047 .043	.020	. 20 . 089	.116 .116	.018 128	. 133	034	.018 .055	. 062	.043 .042	.019	. 069							053 052		118
_	.058 .012 .054 .066	. 13 . 086	. 021	1																			.056 .054	.015	. 086
_	.045 .005 .045 .048	. 050									020 020	.001 .021	. 021										030	.013	. 049
					.054 .052	.014 .065	. 07 <b>5</b>				:014 :014	.005 .016	. 020				<u> </u>						037	.023	. 073
					.019		1				.009 .007	.005 .014	018	, 044		1				ļ			014	.011	040
					.013		1	.010	015	.044	.016	013	. 037				. 035		1				:014	.015	. 046
			. 030	 1				. 00 <b>9</b> . 010	.003 .012	.013				<u> </u>			<b>.</b>			ļ			:010	005	. 025
			0.000	1				.011 .012	.002	. 015										<u> </u>			:011	004	, o15
								.009 .010	.001 .010	.011										<u> </u>			.009	.001 .010	.011
				 $\bot$													ļ						1	011	4
					.019		1	800. 000.0	011	.022													.011 .010	.011	. 023
_	<del></del>			 	. 023	001	. 024	. 056 . 056	.008 .061	. 064	<u> </u>						. 053		1	<u> </u>			037	.016	. 063
				$\bot$	.030	.011 .044	. 045	. 067 . 063	010	. 084							<b></b>						.049 .040	.021 .064	. 082
_					.061 .059	.014 .075	. 082	.086 .083	019 099	. 124				ļ						<u> </u>			.077 .078	.021 .087	. 122 . 7
				 $\perp$				. 088 . 096	.019	. 106							. 046		1	ļ			.082 .089	.023 .105	. 106
		<del></del>		 $\perp$				<u> </u>	_		<b> </b>			<u> </u>						<u> </u>			<b>  </b>		
				- [													1			l			<u>                                     </u>		

# TABLE IX. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR SEPTEMBER (c) Flight level 330

CODE: MEAN ST. DEV. N 50% 84% 98% SEPTEMBER FL 330

								MEAN	LA
									70
					.369 t	.179 .067 17 .155 .199 .351	.240 .028 5 .222 .272 .279	.201 .073 .23 .174 .273 .361	_
			.107 .034 6 .092 .124 .173	. 120 1	.199 .132 14 .210 .371 .363	.160 .032 6 .173 .187 .191	.112 .098 .15 .063 .244 .311	.147 .106 .42 .075 .263 .379	-
			.123 .066 <b>6</b> .095 .200 .227	.095 .047 14 .063 .147 .176	.084 .036 11 .073 .114 .157	.107 .071 20 .062 .194 .205	.100 .066 55 .069 .211 .248	.101 .063 108 .045 .188 .246	-
			.097 .023 25 .096 .122 .133	.221 .015 10 .226 .232 .237	.076 .017 7 .084 .090 .093	.086 .070 129 .053 .180 .289	.080 .040 94 .066 .109 .182	.090 061 265 .064 152 236	┥ .
		.055 .004 3 .052 .058 .061	.100 .059 24 .065 .183 .208	.064 .020 9 .067 .079 .088	.056 .034 .25 .060 .078 .133	.036 .069 93 .057 .125 .324	.077 .045 24 .054 .145 .163	.081 .060 178 .055 .125 .268	٦,
.092 .018 11 .083 .112 .118		.053 .016 21 .051 .069 .087	.150 .055 18 .145 .194 .272	.042 .012 7 .037 .050 .066	.053 .030 34 .045 .079 .131	.061 .021 16 .055 .091 .102		.074 .048 107 .056 .117 .199	4
.071 .021 13 .066 .084 .114		.046 .016 19 .047 .061 .069		.033 .015 34 .032 .042 .073	.068 .039 11 .049 .107 .134	.079 .008 6 .082 .084 .084		.050 .027 83 .043 .080 .113	٦,
.053 .012 9 .047 .066 .076	.062 .011 15 .066 .072 .079	.043 .018 16 .039 .063 .073		.043 .013 .24 .045 .056 .062	.050 .016 7 .047 .069 .075	.092 .006 3 .088 .096 .100		.051 .018 74 .038 .068 .088	<b>⊣</b>
	.038 .007 9 .041 .042 .049	.055 .017 23 .063 .068 .078		023 012 21 025 034 043	.050 .015 8 .055 .059 .066	.058 .009 7 .058 .067 .070		.042 .020 68 .038 .065 .076	-
	.032 .003 7 .033 .036 .036	.041 .020 6 .040 .053 .075		027 005 4 028 031 033	.066 .005 6 .066 .070 .071	.051 .008 2 .051 .056 .058		.043 .018 .25 .036 .066 .075	_
	.032 .005 9 .034 .037 .041	.026 .009 6 .029 .035 .038			.062 .003 4 .063 .064 .065			.037 .015 19 .034 .059 .064	_
	.030 .006 16 .028 .036 .040	.029 .003 8 .030 .032 .033						.029 .005 .24 .028 .032 .040	-
	.025 .002 12 .025 .028 .030	.012 .010 5 .016 .020 .024	.035 1					022 009 18 025 026 033	┥.
	.027 .003 10 .027 .031 .031	.017 .018 6 .012 .036 .043	.019 .009 4 .018 .028 .032					.023 .012 20 .024 .031 .040	1
	.025 .002 10 .026 .028 .028	.039 .004 6 .039 .042 .045	.020 .010 15 .024 .029 .030					.025 010 31 .027 032 043	_
	.032 .004 6 .030 .037 .039	.040 .005 2 .040 .043 .044	.016 .009 20 .015 .024 .034					.021 .011 .28 .019 .033 .041	J
	.041 .003 6 .040 .043 .045	.018 .001 .11 .018 .020 .021	.012 .008 8 .014 .022 .024			.059 .010 4 .055 .066 .075		.027 .017 29 .019 .044 .065	_
	.050 .005 5 .050 .055 .056	.024 .004 3 .021 .027 .030	.020 :013 10 .018 :029 .048			.076 .011 5 .079 .084 .088		.039 .025 23 .033 .065 .085	-
			.041 .022 14 .035 .059 .081			.064 .025 4 .062 .088 .092		.046 .024 18 .036 .077 .089	∐ '
		. 161 1	.062 .035 18 .056 .101 .112			.043 .012 5 .041 .053 .060		.062 .038 24 .054 .101 .141	<b>⊣</b>
		.136 .071 9 .117 .152 .294	.101 .034 .2 .101 .124 .134					.130 .067 11 .117 .150 .288	1
									۱,
·									] 4

## TABLE IX. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR SEPTEMBER (d) Flight level 350

CODE: MEAN ST. DEV. N
50% 84% 98%

SEPTEMBER FL 350

								MEAN
				.285 .008 2 .285 .290 .293		.286 .017 2 .286 .297 .301	.205 .125 15 .195 .368 .382	222 116 19 264 347 382
				.169 .109 <b>8</b> .161 .303 .311	.148 .094 62 .120 .249 .339		152 151 17 .059 359 386	. 151 . 109 . 87 . 105 . 278 . 375
				.315 .018 4 .321 .329 .332	.124 .084 82 .085 .244 .313	.103 .064 114 .077 .171 .310	.108 .067 161 .085 .158 .302	.112 .074 361 .085 .179 .317
			.058 .031 13 .045 .068 .127	.163 .102 36 .141 .305 .368	128 .096 78 .076 .239 .333	.097 .068 189 .062 .171 .266	.102 .047 108 .094 .162 .203	.109 .076 424 .075 .177 .329
.117 .045 14 .101 .175 .200			.069 .038 56 .058 .107 .127	106 .094 36 .072 163 .342	.075 .038 95 .061 .096 .204	.079 .042 86 .062 .101 .214	.058 .017 19 .057 .073 .087	.080 .051 306 .062 .105 .223
.087 .037 43 .078 .117 .183		.043 .011 20 .047 .049 .065	.157 .059 13 .159 .219 .229	.070 .066 83 .046 .098 .323	.067 .057 96 .047 .089 .267	.064 .031 24 .054 .099 .128	.099 .010 5 .100 .108 .111	.073 .057 284 .044 .112 .267
.064 .022 9 .051 .085 .100		.050 .012 15 .050 .061 .070	.053 .020 8 .045 .074 .093	.058 .024 199 .057 .077 .109	.085 .064 4 .059 .138 .184			.058 .025 235 .056 .078 .110
.042 .008 3 .046 .049 .050	.041 .008 11 .042 .048 .056	. 047 1	.060 .011 18 .060 .070 .082	.036 .019 97 .039 .054 .072				.040 .019 130 .041 .060 .073
	.046 .009 12 .044 .050 .069	. 079 1		.032 .019 86 .030 .050 .074	054 001 3 054 055 055			.035 .019 102 .034 .053 .075
	.040 .005 8 .042 .044 .047	.060 .024 2 .060 .075 .082		.024 .011 25 .025 .035 .042	.060 .006 7 .062 .063 .071			.035 .018 42 .030 .052 .074
	.027 .008 7 .033 .033 .033	.020 .002 <b>5</b> .021 .022 .022		.027 .005 6 .027 .031 .032	.046 .007 12 .046 .055 .058			.034 .012 30 .030 .046 .057
	.031 .006 5 .028 .034 .041	.014 .001 4 .014 .015 .015			.045 .007 8 .046 .053 .054			.034 .014 17 .031 .048 .054
	.028 .003 6 .028 .031 .033	.014 .002 5 .013 .015 .017	.029 .007 5 .026 .034 .041					024 008 16 020 030 039
	. 022 1	.015 .000 4 .015 .016 .016	.034 .005 6 .037 .037 .039					.026 .010 11 .024 .037 .039
	.031 .005 4 .031 .035 .038	.018 .002 3 .019 .020 .020	.022 .015 6 .025 .038 .036			.044 .005 6 .043 .050 .051		.029 .014 21 .036 .042 .051
	.030 .003 6 .029 .033 .035	.019 .001 7 .019 .021 .021	.015 .012 18 .009 .030 .039			.051 .006 13 .050 .057 .060		.028 .018 44 .019 .050 .059
	.035 .014 6 .029 .037 .061	.022 0.000 2 .022 .022 .022	.005 .003 14 .005 .007 .009			052 002 6 053 055 055		.022 .021 .28 .014 .051 .060
	.081 .005 7 .083 .085 .086	.022 .001 6 .022 .023 .025	.016 .016 15 .009 .028 .049			.050 1		.034 .029 29 .022 .078 .085
		.046 .027 12 .026 .080 .083	.032 .019 10 .029 .048 .066					.039 .025 22 .024 .074 .083
		.076 .045 11 .063 .135 .147	.034 1					.072 .044 12 .061 .133 .147
		.098 .026 15 .092 .112 .159						.098 .026 15 .092 .112 .159
		. 189 1		-				.189 1
								5E

TABLE IX. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR SEPTEMBER (e) Flight level 370

CODE:	ı	EAN ST. DEV. 50% 84%	N 98%					SEPTEMB FL 370	ER
									ME AN
			I				.400 .031 12 .392 .432 .443		.400 .031 12 .392 .432 .443
					.238 .097 60 .238 .349 .374	.336 .043 6 .354 .366 .383	.308 .087 24 .294 .412 .459	.342 .063 13 .363 .391 .444	.273 .098 103 .289 .370 .455
				.197 .101 14 .219 .292 .336	.260 091 48 .276 352 375	.256 .107 55 .293 .357 .398	.256 124 30 .286 396 424	.196 ,096 25 .219 .301 .335	.244 .107 172 .205 .352 .404
				.249 .100 82 .264 .343 .378	336 054 21 350 384 395	.158 .098 44 .125 .266 .369	.207 .126 80 .188 .352 .423	.157 .098 87 .141 .235 .413	.206 .116 314 .136 .343 .412
				.093 082 118 .065 139 386	.257 104 57 .269 367 390	178 085 64 173 261 366	.111 .086 67 .069 .205 .323	.091 .048 78 .090 .149 .193	.134 .101 384 .087 .244 .379
				.087 .065 157 .065 152 .306	.086 .054 53 .077 .149 .214	.082 .054 43 .070 .131 .204	.080 .050 134 .063 .120 .230	.060 .020 19 .062 .078 .100	.083 .056 406 .053 .129 .255
.104 .009 .102 .109 .	120		.049 .044 <b>76</b> .036 .059 .212	.083 .057 114 .065 .120 .250	.075 .055 74 .061 .125 .246	.075 .050 227 .065 .111 .216	.069 .023 23 .064 .098 .105	.120 .048 16 .126 .160 .219	.075 052 538 .043 .112 .240
146 .008 146 .151 .	2 153		.048 .022 62 .047 .063 .105	.043 .018 3 .048 .058 .061	.056 .032 170 .049 .085 .132	.069 .036 26 .068 .112 .116			.056 .032 263 .049 .087 .133
		.071 .011 4 .073 .081 .082	.062 .014 10 .063 .072 .082	.058 .036 10 .046 .082 .138	.038 .022 181 .033 .058 .092	.067 1			.041 .024 206 .035 .066 .095
		.053 .008 14 .054 .061 .066			.026 .014 121 .024 .042 .056	. 043			.029 .016 136 .027 .043 .063
		.045 .009 16 .044 .054 .061	.038 .004 4 .038 .042 .045		.025 .016 15 .026 .046 .054		.083 .006 2 .083 .087 .089		.038 .018 37 .037 .053 .080
		.038 .006 11 .038 .044 .047	.030 .003 6 .029 .033 .035		.016 .009 21 .014 .021 .039		.079 .011 5 .082 .088 .093		.031 .021 43 .028 .044 .086
		.037 .001 7 .037 .038 .038	.036 .003 7 .036 .036 .040	.017 .009 8 .020 .025 .027	.018 .010 17 .018 .023 .041	.056 .005 3 .057 .060 .062	.056 .007 11 .058 .063 .067		.033 .018 53 .035 .054 .065
			,	.017 .009 17 .018 .026 .031	.025 .002 2 .025 .026 .027		.054 .007 10 .056 .060 .061		.030 .019 29 .024 .056 .060
				.022 006 12 .024 028 030			.061 .008 9 .059 .065 .078		.039 .020 21 .028 .060 .075
				.017 .004 6 .019 .020 .021			.061 .004 11 .061 .064 .070		.046 .021 17 .058 .063 .069
				.034 .005 4 .036 .038 .039			.046 .008 6 .042 .057 .060		.042 .009 10 .039 .051 .059
			.020 .003 2 .020 .022 .023	.023 .002 5 .024 .024 .025			.047 .006 7 .050 .052 .053		.035 .013 14 .029 .051 .053
			.018 .003 4 .020 .021 .021	.029 .012 6 .030 .039 .046			.052 .005 5 .052 .057 .058		.034 .016 15 .035 .052 .058
			.016 .003 4 .016 .018 .019	.073 .034 13 .061 .106 .145					.050 .038 17 .058 .097 .142
			.054 .032 6 .047 .075 .114	.129 .047 9 .144 .168 .193					.099 .056 15 .090 .163 .189
			.243 120 9 .267 367 424	.255 .090 3 .301 .323 .333					.246 .113 12 .208 .354 .423
			.212 1		-				.212 1

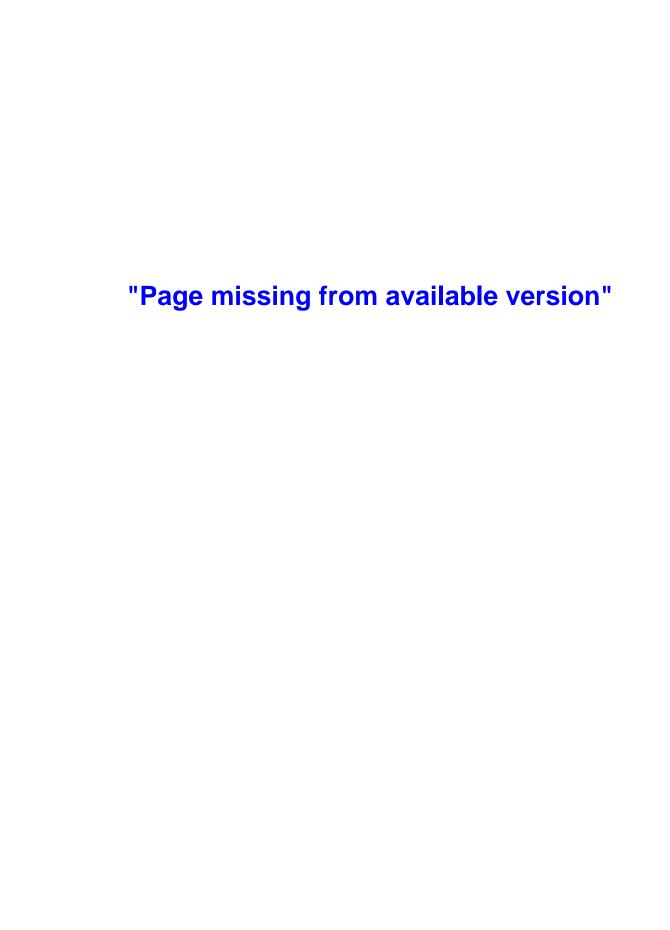


TABLE IX. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR SEPTEMBER (g) Flight level 410

CODE:	MEAN ST. DEV. 50% 84%	N 98%			SEPTEM FL 410	
	<b>T</b>	·		· · · · · · · · · · · · · · · · · · ·		MEAN
	<del> </del>		,250 .024 ,241 .278	9 .294 1		.254 .026 10 .254 .281 .292
			366 .043 27 .335 .071 .359 .414 .440 .333 .411	9 .294 1 .262 1 .38 .249 .065 30 .454 .231 .318 .377	259 .156 21 .159 .088 13 242 .442 .518 .134 .277 .319	254 281 292 291 108 129 298 401 488
	· · · · · · · · · · · · · · · · · · ·	<b>_</b>	278 .112 97 .113 .036	.454 .231 .318 .377 15 .271 .099 63 .177 .279 .355 .450	.292 .098 56 .288 .098 65	298 401 488 273 108 296 270 382 459
			. 266 . 390 . 470 108 . 146 . 261 . 128 . 133 135 . 095 . 241 . 403 . 516 121 191	81 .228 .109 104 .414 .205 .352 .429	.286 .415 .459 .304 .380 .437 .221 .104 .89 .247 .113 .39 .180 .357 .418 .232 .378 .453	.270 .382 .458 .221 .120 .446 .139 .365 .478
.182 .058 8 .190 .236 .265	<del> </del>	.227 .110 16 .225 .336 .426	.180 .115 167 .169 .087 .150 .297 .456 .157 .264	139 171 104 70 377 127 274 411	.163 .090 37 .165 .037 4 .119 .250 .375 .163 .196 .216	.176 .102 441 .156 .282 .427
.124 .033 12 .115 .130 .209		.113 .065 70 .102 .174 .274	.107 .089 90 .173 .105 .076 .238 .327 .134 .259	100 132 083 55 .441 096 210 342	183 .090 5 134 .290 .301	.134 .092 332 .065 .223 .412
.059 005 6 .061 062 065		.079 .027 38 .086 .102 .114	.086 .011 3 .093 .043 .080 .095 .101 .088 .124	17 .064 .024 19 .169 .058 .075 .126		.077 .031 83 .077 .102 .144
.062 .004 <b>5</b> .063 .065 .067		.102 .006 <b>7</b> .103 .106 .108	.070 .009 .069 .080	.083		.079 .016 20 .077 .103 .107
.062 .007 7 .060 .067 .075	.090 .005 2 .090 .093 .095	.040 .030 45 .029 .069 .107	.036 .011 4 .063 .017 .040 .046 .047 .064 .071	15 100		.048 .028 73 .053 .072 .108
	.075 .003 8 .076 .078 .079	.052 .024 30 .047 .082 .100	.026 .002 .024 .027	. 030		.053 .024 43 .047 .078 .099
		.027 .015 25 .022 .048 .052	.023 .005 .022 .025	.031		.026 .014 31 .022 .046 .052
	.020 .012 5 .017 .032 .036	.022 .006 25 .023 .028 .035	.029 .005 .026 .034	. 037		.023 .008 35 .023 .030 .037
	.031 .016 5 .037 .044 .045	.032 .014 8 .028 .043 .055	.049 .002 .050 .050	. 051		.036 .015 18 .036 .050 .055
			.046	1		.046 1
· · · · · · · · · · · · · · · · · · ·			.032 .005 5 .040 .031 .036 .040	1		.034 .005 6 .033 .040 .040
			.031 .002 7 .032 .033 .033			.031 .002 7
			.035 .003 6 .036 .038 .038			.035 .003 6 .036 .038 .038
			.062 .024 5 .053 .090 .092			062 024 5 053 090 092
			.159 .040 4 .163 .191 .208			.159 .040 4 .163 .191 .208
	<u> </u>		.154 .082 17 .112 .252 .316			.154 .082 17 .112 .252 .316
	<del> </del>					<b> </b>
5E 6	160E 10	<u> </u>	50E 165W	120W	75W 30W	11 15E

ST. DEV. N

### TABLE IX. - Concluded. GASP AMBIENT OZONE DATA BY LATITUDE FOR SEPTEMBER

#### (h) Flight level 430

			*			·	MEAN
			.300 .073 4 .286 .366 .404				.300 .073 .286 .366 .40
			.375 .114 10 .420 .479 .499	<u> </u>	.282 081 6 .324 .347 363	.443 044 7 .439 .484 .491	372 108 2 405 478 49
			.258 .127 .16 .281 .373 .455	.134 1	122 035 16 137 150 168	.370 .105 14 .371 .461 .525	.243 .139 4 .187 .393 .51
		.118 .079 .12 .081 .223 .270	.195 .118 .33 .190 .311 .411	.198 .070 19 .186 .265 .322		.142 .047 .25 .122 .208 .242	158 080 144 129 250 37
		.091 .055 <b>55</b> .084 .130 .216	.042 .020 <b>29</b> .030 .068 .082	.152 .092 .22 .107 .301 .327	.092 .018 30 .092 .106 .129	.074 1	.090 .062 13 .082 121 .30
		.057 .024 30 .058 .074 .107	.074 .014 .6 .075 .084 .092	115 068 3 089 170 203			.064 .032 4 .066 .078 .15
							200 200 1
090 .009 8 088 .099 .108	.084 .006 2 .084 .088 .090						.089 .009 1 .088 .096 .10
	.042 .006 8 .039 .049 .052	.037 .019 6 .039 .056 .059					.040 .013 1 .039 .052 .05
		.016 .009 17 .017 .021 .035					.016 .009 1 .017 .021 .03
		.026 .011 .20 .024 .034 .0 <b>5</b> 0					.026 .011 2 .024 .034 .05
	018 .003 <b>5</b> .016 .020 .024	.017 .004 6 .016 .020 .025					.017 .004 1 .016 .020 .02
					ļ		
_							
	DE 10		Θε 1	65W 1	20W 75	w 30W	15E

TABLE X. - GASP AMBIENT OZONE DATA BY LATITUDE FOR OCTOBER

#### (a) Flight level 290

		CODE	: <b>Г</b>	MEAN	ST.	DEV.	N	7																	TOBER 2 <b>9</b> 0			
			L	50%	8	4%	98%	٤																ΓL	290			
																										ME	AN	
			***************************************																									
I																			-									
l																												
Į														<u> </u>									.111 .075	. 087 . 148	.310	.111 .075	.087 .148	. 310
l														. 027		1	.079		. 1				.050 .047	.010 .062	. 073	050 047	.012	076
	. 046 . 046	.006 .051	. 055											. 030		1	.056 .053	.008	. 066	. 056 . 047	.025 .076	. 115	.043 .040	.010 .045	. 063	.050 .042	. 01 B . 060	. 097
I	. 064 . 067	.018 .077	. 097											.046 .045	.010 .048	. 066	.060 .070	032	. 117	. 061 . 050	.026 .081	. 102			i		.024	. 109
	. 047 . 046	.012	. 06 <b>7</b>					.041 .040	.014 .056	. 065				.042	.016 .055	. 070	.047 .048	.017 .061	. 073							.044 .037	.015	. 074
I	. 042	.003 .046	. 047	. 042	2 .01	1 1	3 5							.098	.006	. 103										.047 .041	.018	. 098
ſ	.048 .057		. 062											.033	.003	. 036										. 040 . 030	014	. 062
I								. 041		1				.031	.019	. 071										.032	.018 .041	. 070
I				1							.012		1	.012	.002	.013										.012 .012	.001	. 013
ľ				1			1		•	•				1		···········					, .							
I				<u> </u>				•						1					***									
Ì				<u> </u>				. 023		1				1												.023		1
İ		<del></del>		<u> </u>			1				<b></b>			<b>†</b>			<u> </u>	<u>.</u>			-					***********		
Ì				1			1							<b>†</b>		-					·							
Ì				<del>                                     </del>										<del>                                     </del>			<b></b>											
Ì				†			$\top$				. 073		1	<b>†</b>						<del>                                     </del>						.073		1
t							+				I			1														
ŀ				1			+	. 053		1	.058	.011	. 072	1			<b></b> -			t						.057	.011	. 072
ŀ				1			+			·	.054	.016	. 069	+-						<del> </del>						4	.018	. 069
l				<b>-</b>			+				.000	. 000	. 009	<del>                                     </del>		·	<del>                                     </del>			<del>                                     </del>						1		
ŀ				<del> </del>			+				<b> </b>	-		<del> </del>	•		<del>                                     </del>			<del>                                     </del>			h			1		
L.	5E		-	OE .			105E			1.0	OE.			165W						75W		7	OW		15	E		

LONGITUDE

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TABLE X. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR OCTOBER

(b) Flight level 310

	CODE		MEAN 50%	ST. Di 84%		N 98%																O( FL	CTOBER 310			
																								ME	ΑÑ	
															. 228 . 229	.003	. 232	.156 .166	.091 .252	. 261				172 229	. 085 . 243	13 . 261
				_											. 257 . 268	.028	. 280	. 058 . 056	. 009 . 071	. 072	. 127 . 123	.051 .188	. 202	.115 .072	.077	. 25 . 280
																		.048 .049	. 002 . 049	.049	.090	.059 .169	. 21 . 212	083 056		. 25 . 209
												.056 .044	.017 .074	, 088				. 166 . 201	.066 .210	11 224	. 074 . 057	.045 .101	35 . 208	.089 .068		55 . 226
												,072 .053	.043	. 139	.213 .213	.024 .235	. 241	.109 .118	.023 .130	. 134	. 064 . 052	.029 .079	49 . 154	.078 .055	.047 .120	62 . 221
.052 .053	. 005 . 057	. 057							. 038 . 040	.005 .041	. 044	.051 .049	.017 .062	23 . 092	076 059	.049 .112	<b>28</b> , 215	.072 .078	. 035 . 100	. 110	. 054		1	. 062 . 042	036	. 173
. 100 . 092	. 047 . 148	10 .181				. 047 . 046	.003 .051	.051	. 044 . 042	.010 .054	. 060	.066 .058	. 040 . 094	. 169	. 082 . 047	. 066 . 156	31 246	.061 .054	.032 .072	. 137	. 047 . 048	. 002 . 049	. <b>05</b> 0	. 070 . 051		95 . 218
.049 .053	. 015 . 061	. 070				. 063 . 055	.029 .093	. 118				.044	. 036 . 057	. 19 . 145	.035 .036	.014 .049	10 . 057							.047 .039		. 126
.054 .059	.011 .062	. 070							.100 .126	.042	. 147	. 025 . 026	.005 .029	. 036										. 051 . 034	.037 .068	38 . 144
.044	.002 .046	. 047							. 050	.011	10 . 067	.033	.013	. 056										.040	.014 .055	. 066
			. 053		1	. 026 . 029	. 005 . 031	. 032				.037 .039	.016	. 069										.035	.015 .047	. 068
			.060 .031	.060	. 179	.027 .033	.011	. 15 . 040				.015 .015	.001	.016										.031	.036	. 116
			.041 .042	.002 .043	. 044	. 041 . 040	. 003 . 045	. 045	.015 .014	.001	.017	.014 .014	.004	.018										.029 .027	.013	. 045
									.016 .015	.004	. 023													.016 .015	.004 .017	. 023
				,					.019 .021	.005	. 022													.019	.005	. 022
										•																
											· · · · · · · · · · · · · · · · · · ·															
							•		.016 .016	.016	.031													.016 .016	.016 .027	.031
						.073 .083	. 023	. 091	. 123		1													.078 .085	.026 .091	. 117
•				***************************************		.091	.017																	. 091 . 086	.017	, 116
						.074	.022	. 102							<b>†</b>									.074 .083	022	15 .102
.028 0 .028	.000	. 028	20220.11			.057	028	. 101	. 071 . 058	.060 .076	. 206													.061 .057	. 049 . 078	. 190
									. 064		1													064		1
												<b> </b>			t									<b>†</b>		

TABLE X. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR OCTOBER (c) Flight level 330

CODE:	MEAN ST. DEV. 50% 84%	N 98%			OCTOBER FL 330	
						MEAN
				. 325 1	.152 .096 17 .130 .261 .303	.161 .102 18 .141 .283 .320
				.151 .129 17 .055 .333 .345	.137 .112 .26 .108 .085 .19 .057 .303 .331 .061 .249 .266	.132 .111 62 .057 .293 .340
			. 300	1 .146 .100 23 .127 .296 .322	.287 .027 17 .160 .093 27 .296 .312 .320 .149 .263 .308	.189 .103 68 .218 .303 .322
			.113 .035 10 .238 .06 .107 .156 .168 .280 .28	7 6 .092 .047 17 1 .284 .065 .164 .183	.163 .095 46 .100 .065 88 .149 .283 .320 .072 .187 .256	.122 .080 167 .086 .221 .293
			.085 .062 15 .121 .06 .062 .166 .196 .094 .21	8 22 .121 .052 11 3 .336 .123 .127 .235	.084 .040 87 .081 .042 45 .069 .112 .195 .067 .102 .207	.090 .053 180 .072 .127 .237
			.069 .028 14 .041 .00 .051 .101 .116 .039 .04	8 6 .106 .092 5 7 .053 .044 .193 .257	.032 .035 77 .094 .038 5 .071 .119 .164 .091 .122 .157	.079 .040 107 .068 .118 .173
.086 .041 12 .072 .122 16		.081 .034 12 .074 .123 .126	.078 .036 5 .048 .01 .066 .120 .123 .039 .06	7 14 .066 .030 40 9 .074 .064 .086 .153	.070 .021 10 .069 .078 .115	.069 .032 93 .064 .107 .153
.060 .026 20 .056 .067 .125		.037 .020 15 .034 .052 .080	. 062 . 03 . 051 . 09			.057 .033 97 .049 .082 .154
.045 .003 .044 .046 .050	.063 .002 <u>2</u> .063 .064 .065		. 046 . 02 . 044 . 07	7 57 .079 .006 2 2 .096 .079 .083 .085		.047 .026 78 .045 .072 .096
.067 .004 ! .066 .071 .074	.066 0.000 2	. 035 1	033 006 14 040 02 033 036 042 036 05	6 58 3 .134		.041 .024 .60 .036 .062 .117
_	.057 .016 .11 .057 .068 .084	.040 .009 4 .037 .048 .052	.035 .02 .029 .04	5 10 3 .092		045 022 25 042 065 096
	.027 .003 6 .028 .030 .032	.047 .002 <b>2</b> .047 .048 .049				032 009 8 029 043 048
		.043 1	·			.043 1
	. 025 1	.019 .004 6 .021 .022 .022				.019 .004 7 .021 .022 .025
		.014 .007 8 .011 .013 .029				014 007 8 011 013 029
		.027 .014 17 .028 .038 .055	.021 .005 14 .020 .027 .030			024 011 31 025 030 053
		.031 .006 16 .028 .038 .042	.022 .009 14 .022 .030 .036			.027 .009 30 .026 .036 .042
		.028 .012 8 .029 .039 .044	.026 .008 7 .022 .035 .040			.027 .011 15 .027 .039 .044
	.067 .013 6 .072 .077 .082	.059 .022 <b>22</b> .062 .079 .099	.020 .013 10 .017 .037 .042			.050 .026 38 .046 .076 .099
		.084 .024 <b>30</b> .084 .100 .1 <b>33</b>	.078 .048 25 .074 .096 .202			.081 .037 55 .083 .100 .175
		.074 .015 12 .079 .085 .088	.104 .058 42 .091 .149 .262			.097 .053 54 .084 .130 .255
.036 .005 .035 .040 .04			.094 .081 18 .071 .103 .321			084 076 22 063 097 300

TABLE X. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR OCTOBER

(d) Flight level 350

CODE: MEAN ST. DEV. N 50% 84% 98% OCTOBER FL 350

																							ME	AÑ		LAT
70N														326 327	.025	. 368	.187 .217	.089 .277	. 300	.284 .279	.025	. 321	. 244 . 267	. 093	. 360	70N
65		T.1.									227	. 065 . 288	. 39 . 310	.268	.071	37 354	.291	.062	. 379	295 295	.007	. 307	. 256 . 267	. 070 . 325	95 . 358	65
60								. 294 . 273	. 067 . 380	. 386	. 279 . 317	.079	. 346	. 184 . 210	. 087 . 262	. 330	.163	.076 .232	. 258	.120 .058	.112	. 320	.189 .213	. 102 . 300	157 . 378	60
55								. 263 . 261	. 066 . 328	, 363	. 232 . 254	. 055 . 286	. 298	.127	.082	75 294	.103	.077	. 306	.107 .057	.085	. 292	.145 .086	. 098 . 267	. 212 . 338	55
50								. 189 . 173	. 122	. <b>35</b> 7	.176 .188	. 043	. 210	.096 .071	.070	52 254	.118	. 071	100	.072 .059	. 102	. 161	.108	. 075	281 302	50
45	.055 .011 .053 .059	. 079				. 080 . 080	012 088 .092	.110 .064	.090 .165	. 318	.134 .156	. 224	. 239	.102 .057	.090	. 297	. 095 . 080	. 066	. 347	.037 .038	. 039	. 040	.101 .072	. 206	261 306	45
40	.065 .025 .059 .082	. 125				.063 .069	017 14 074 .096	.102 .117	. 048 . 145	. 153	.064 .048	.041	. 142	.073 .041	.071	155 . 293	.084 .081	.019	. 108	049	.018	. 070	.070 .038	.116	. 294 . 280	40
35	.057 .021 .054 .082	. 101				. 058 . 044	049 44 086 .194	050 043	015	. 084	.056 .048	031	143 . 150	. 056 . 056	.040 .073	. 175				066	. 024 . 087	. 117	.057 .043	. 033 . 079	290 152	35
30	.059 .018 .056 .075	. 093	088	020	. 108	.043 .036	034 26 044 145	.053 .053	.019	. 091	.053	.043	201 . 193	. 079		1				. 051 . 052	.063	. 073	.053	.037	327 . 180	30
25	.072 .023 .083 .095	. 097	. 057 . 052	.018 .075	. 093	.040 .040	012 31 053 .059	.032	.011	. 048	. 037 . 034	. 025	191 . 101							.052	.005	. 061	.042	.024	. 097	25
20			. 047 . 042	.016 .066	. 087	.047 .043	012 5 060 .065				.027 .026	. 018 . 045	. 073							. 054 . 052	.003	. 060	. 035	.020	149 .074	20
15			.031	006	. 041	.048	011 12 057 .066	.017 .019	.005 .022	. 023	.013	.008	. 029										.022 .019	. 015	. 057	15
10			. 027 . 025	009	. 17 . 046	.027	013 9 040 .052	.010	.008	. 023	.013	.009 .018	. 034										.019 .017	.012	. 047	10
5			. 027 . 029	004	. 032	.015	002 5 017 .018	.010 .010	.009 .018	. 028	.007	.003	.012										.013 .013	.010 .025	. 031	5
0						.014 .017 :	010 14 021 .032	.016 .019	.010 .026	. 027	.013	.004	.019										.015 .017	010	. 029	0
5						.014 .008	016 16 025 .049	.019 .018	. 003 . 020	. 027													.016 .017	.013	. 047	5
10						.026	021 16 050 .058	.019	. 005 . 025	. 027													.023	.016	. 055	10
15						.033 .	020 15 044 . 078	. 025 . 023	.012	. 051													.028 .025	015	. 059	15
20						.036 .	026 22 061 .084	. 041 . 037	. 029	. 117													.040	.028	. 112	20
25						. 064 . 084	034 16 096 .107	. 091 . 064	.070	. 300				l									.087 .078	. 066	. 292	25
30						.164 . .112 .	111 4 250 340	.126 .102	. 089 . 229	. 52 . 349													.129 .102	. 092	55 353	30
35						.080 .055	066 19 118 263	.114 .070	1111	. 45 . 456													.104 .066	. 101 . 128	64 440	35
40	.045 .011 .041 .056	. 071				. 055 0. . 055	000 2 055 .055	. 094		1													.047 .043	.014	.089	40
<b>45</b> S	.051 .007 .050 .058	. 062																					. 051 . 050	. 007 . 058	. 062	455
7	15E	6	DE		105	E		50E		1	65W		1:	OW		7	5W		3	IOH .		1	5E			

TABLE X. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR OCTOBER

(e) Flight level 370

OCTOBER

		CODE	::	MEAN 50%	ST. D		N 98%																	L 370			
			L	3//6	( <del></del>		70%																		ME	:AN	
Γ							T			l			298	.039	23 .367				. 227	.012	. 239				.292	.042	25 . 367
							<b>†</b>						256 262	.059	85 . 386	. 223	.050	16 266	.197	.043	12 . 262	.238	. 022	. 259	245		118
			*************							246 246	100	. 341	246 247	.050	. 369	168	.089	29 327	.217	.076	. 328	.169	. 093	. 267	.211 .217	. 082 . 285	. 351
							<u> </u>	<del></del>			. 077 . 377	. 40 . 393	. 219 . 236	. 041	. 263	184	. 089 . 276	. 37 . 317	. 252 . 246	.088	. 361	.129	.070 .185	33 . 295	.215 .207	.091 .303	178
										. 209 . 201	.091	. 368	.116 .107	. 092	. 351	.132 .097	.082	29 304	.171 .148	.112	120 .394	.128 .117	.082	116 .305	.151 .138	100	411 .371
. C	028 029	. 002 . 029	. 030				218 195	.047	. 293	. 148 . 118	. 107 . 284	104 .366	074 059	.050	. 194	.090 .084	.060	93 260	.121	.079	150 327	.106 .119	.033	. 135	.115 .071	. 083 . 193	430 347
1	29 26	. 036 . 163	. 11 . 195				134	.084	. 275	082 060	.052 142	. 220	. 061 . 052	.038	. 168	106	.070 .179	558 276	.161 .125	. 080	.316	.143 .147	.012 .156	. 163	.103 .082	.068 .173	819 274
	093 077	.030 .112	. 141				. 049 . 041	.022	. 107	. 061 . 067	. 023 . 086	. 38 . 094	. 064 . 055	.037	416 .160	.071 .057	.052	. 84 . 205				.139 .139	.008 .147	. 151	. 065 . 055	.039 .094	575 . 176
: 1	100	.022 .120	. 123				. 040		1	.039 .037	.012 .050	. 065	. 056 . 048	.037 .079	. 186 . 186	.091 .095	.017 .105	. 108							. 055 . 047	. 036 . 07 <b>9</b>	526 . 175
				. 115		1				. 031 032	003	. 034	. 040 . 035	.022	. 283 . 091										.040 .035	.023 .058	291 .092
				.071 .094	030	. 101				074 069	. 020 . 098	. 104	. 041 . 026	.045 .052	. 174							. 049 . 049	.002	. 051	. 054 . 041	. 040	. 141
				. 035 . 028	. 018 . 041	. 071	. 022		1				.015 .016	.008 .023	. 028 .										.020 .018	. 014 . 028	27 . 053
				. 032 . 035	.014	. D44				.019 .018	009 029	. 031	.013 .017	010	. 027										.017 .018	.012	. 042
				011	.020	. 05 <b>6</b>				. 022	006 024	. 037	.010 .013	.009	. 026										.015 .016	. 024	57 039
										. 022	00 <b>5</b> 026	. 031	.007 .002	.010 .015	. 032										.015 .019		47 032
										. 020 . 020	007 024	. 035	.012	.011	34 . 034										.015 .017	. 011 . 026	55 . 037
										.019	010 028	50 . 046	011	.012	. 038										.018 .016	.011 .027	. 047
							. 044 . 047	.013 .057	. 061	.018 .015	008 025	. 71 . 040	.047		1										.020 .015		. 051
							. 069 . 073	. 011 . 078	.081	.030 .016	024 062	61 086													.032		. 086
							. 082 . 103	.048	. 121	.059 .018	057 129	38 .192													.062		. 190
							. 236 . 160	. 151 . 420	10 . 423	.118 .113	031 156	. 165													.142 .113		. 421
							. 289 . 277	.122 .419	12 .445	. 154 . 135	086 239	. 349													. 203 . 165	120 344	. 444
										. 267		1													. 267		1

#### TABLE X. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR OCTOBER

#### (f) Flight level 390

OCTOBER ST. DEV. MEAN CODE: FL 390 84% 50% 98%

																							ME	AN		LA
1													•	. 353 . 365	.077	12 452	357 372	. 052 . 404	10 435				.355 .324	. 067 . 428	. 450	70
								. 401 . 435	. 111 . 470	. 488	. 296 . 288	.098	. 477	.318 .316	.050 .380	13 .404							.305 .316	.097 .413	. 483	65
								. 292 . 310	.080 .359	. 428	. 346 . 350	. 089	35 . 506	. 300 . 307	.087 .387	. 425	.160 .142	.092 .259	. 326	. 281 . 283	. 066	. 372	. 283 . 172	.100 .376	180 .467	60
								. 262 . 256	.092	114 .423	, 308 , 366	. 105 . 398	. 434	. 235 . 220	.080 .327	. 30 . 377	.312	383	. 433	.220	.089	143 .384	. 255 . 259	. 097 . 367	.405	55
								. 254 . <b>2</b> 60	. 082 . 340	. 424	.214 .189	. 096	. 383	.172 .166	.079	30 306	.192 .179	.119	. 375	. 202 . 141	. 125	. 450	. 206 . 187	. 107	.410	50
.090 .016 .087 .110 .1	118			:1	30 23	.021	. 168	. 154 . 145	.078 .219	. 353	. 105 . 070	.062 .155	. 236	. 164 . 159	. 228	124	.140	.073	. 334	.119 .105	.059	. 29 . 207	.145	.070	326 .318	45
139 .022 141 .159 .1	163			: 0	79 62	. 147	. 230	.115 .118	.042 .163	. 175	.079 .096	.041	. 155	.110 .083	.075 .179	674 . 320	.088	.026	. 123	.047 .047	.012	. 059	.107 .083	. 072 . 167	.314	40
			***************************************	. 0	22 22 22	021 041	. 078	. 030 . 027	019	. 081	.084 .075	105	. 117	.088 .076	.043	. 141 . 196							.074	.046 .116	194 .196	35
								. 228 . 235	.051	. 286	.036	021	. 093	. 089 . 097	.018	. 108							.097 :070	.083	. 285	30
.070 .013 .070 .079 .0	2 082							. 106 . 104	. 021 . 124	. 132	.071 .075	. 034	. 129										.074 .074	.034	. 131	25
											.047 .020	. 044 . 076	. 125							.047 .048	.001	.049	. 047 . 047	. 021 . 048	, 099	20
		.016		1							.018	.017	.054 .							.050 .050	001	. 053	.035 .049	.019	. 055	15
		.034 .0	16 47 .05	4 .0	043		1				.011	.011	. 030							. 054 . 054	. 004 . 058	. 060	.033	. 022	. 060	10
											.011 .007	.014 .028	. 043					.,		.047 .047	.009	. 060	.027 .015	. 021	. 060	,
											.015 .015	.013 .025	. 048							. 050 . 050	.006	. 055	.028	.020 .051	. 054	(
								. 001 . 001	.001	. 004	.017 .016	.009 .026	68 .035							.048 .048	.001	. 048	.022	.016	. 048	!
								.020	.011	. 61 . 040	.019	.007	. 032							. 046 . 046	.001	. 048	.023 .016	.013	.047	10
								. 022 . 024	012	. 043	.036	.009	. 048										.023	.012	. 045	15
								. 029 . 021	. 025 . 048	. 092													.029 .021	. 025	. 092	20
								.067 .074	.040	. 147													.067 .074		. 147	25
. 151	ŧ							. 138 . 108	.073	. 23 . 273													.139		. 272	30
				6:	43 97	. 081 . 230	. 31 . 338	. 215 . 197	.107	. 49 . 476													. 187 . 147	. 104 . 282	. 472	35
								. 324		1		-											. 324		1	40
																										45
15E	306			105E		-	15	OE		1	65W		12	OW		7	5W		3	OM		1	5E			

TABLE X. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR OCTOBER

(g) Flight level 410

CODE:	MEAN 50%	ST. Di 84%		N 98%																O <sup>t</sup>	CTOBEF L 410	}			
																						ME	AN		L A
N																			.522 .562	. 089 . 598	. 624 . 624	. 522 . 555	.089 .598	. 624	70
			***************************************																.395 .397	.031 .428	. 452	. 395 . 397	.031 .428	. 452	65
							. <b>53</b> 0 . <b>5</b> 17	.074 .595	. 646	. 255 . 277	.073	14 365	. 234 . 228	.059 .283	. 306	. 273 . 256	. 104 . 353	51 . 484	. 216	.093	58 . 374	. 257 . 206	.114 .353	132 . 557	60
							. 309	. 108 . 443	50 .504	. 234 . 285	.087	. 333	. 202 . 177	.063 .280	. 331	. 275 . 202	.144 .429	67 610	. 145 . 123	.093 .253	. 34 . 340	. 250 . 184	130	180 .573	55
							. 264 . 248	. 120 . 411	100 .465	.103 .092	.087 .184	. 308	. 192 . 163	. 108 . 298	84 469	. 231 . 204	.117 .365	126 .469	. 247 . 221	. 122 . 378	116 . 500	. 228 . 197	122 365	452 . 492	50
.071 .037 .061 .090 .	8 147			. 180 . 160	. 103 . 255	13 .411	. 167 . 166	.074 .240	86 320	. 166 . 146	. 099 . 259	. 376	. 142 . 133	.099	96 .415	. 245 . 277	. 151 . 386	. 41 . 547	. 030 . 029	.003	. 036	. 166 . 128	.107 .276	322 .427	45
.122 .040 .114 .146 .	27 227			.109	.059	. 45 . 272	. 144 . 126	.077	21 340	: 111	.074 .194	. 300	. 207 . 167	. 118 . 366	233 397	. 076		1				.170 .108	.110 .300	394 . 390	40
.076 023 .068 091	11 128			.102	.042 .151	17 .184	. 059 . 053	022	. 097	:113 :116	.043 .154	67 196	. 146 . 125	.064 .233	. 280							:112 :112	. 052 . 155	135 . 247	] 3!
.055 .012 .054 .062	14 083									. 075 . 061	.050 .119	118 . 234	.134	.044 .166	. 203							. 075 . 061	.049 .119	136 .229	3
.053 .020 .058 .076	13 :01 083 :01	9 .013	. 036							.060	. 038 . 104	. 157										. 057 . 054	. 037 . 084	115 .149	2
	:01	2 .010 1 .022	. 032							. 050 . 055	.022	. 77 . 084										.042 .045	. 026 . 067	96 . 082	2
										.026 .026	.017 .043	57 .051										. 026 . 026	.017 .043	57 .051	] 1
							. 020 . 020	.002	. 022	:017 :019	.007 .022	. 41 . 023										.017 .020	.007 .022	. 023	] ו
			·							:017 :017	.004 .018	. 022										.017	004	. 022	]
										. 025	.005	. 26 . 035										. 025 . 023	.005 .032	. 035	
																			.062	.015 .072	. 076	. 062 . 062	015 072	. 076	] 1
							. 056 . 057	.027	. 100													. 056 . 057	.027 .075	. 100	] 19
							. 053 . 026	.052 .130	20 149													. 053	.052 .130	20 . 149	20
							. 041 . 025	.042 .101	. 116													.041 .025	.042	22 116	2!
. 138	1							.032	18								···					.086 .100	.033	19 .134	] 30
				. 342 . 342	.023 .358	. 364		150	. 79 . 659		-											. 264 . 233	.149 .387	. 650	35
											•														] 40
s							. 573 . 573	.030 .593	. 601				1									. 573 . 573	.030	. 601	45

TABLE X. - Concluded. GASP AMBIENT OZONE DATA BY LATITUDE FOR OCTOBER (h) Flight level 430

		COI	E: [	<b>M</b> EAN 50%	ST. E 84%		N 98%																F	CTOBE L 430	К		
																									ME	AN	
N																											
ĺ																											
I																			. 759		1	. 366 . 383	. 039 . 365	. 385	. 422 . 384	.142 .400	. 714
Į																			. 391 . 384	. 125 . 495	. 679	. 360 . 360	. 041 . 399	. 450	. 372 . 359	. 084 . 411	. 589
l										.361 .360	. 056 . 407	. 426							.310 .231	. 157 . 473	. 675				.313 .254	. 153 . 473	51 . 672
l							. 256 . 252	.103 .332	. 422	. 278 . 271	069 333	. 388	. 262 . 229	. 077 . 350	. 351	.329 .348	. 144 . 388		. 191 . 144	139 388	51 . 502				.230 .137	. 131 . 377	90 . 507
I							.135 .121	.057 .196	47 .238					. 045 . 185	. 244	.077 .016	121		.089 .072	.028 .116	. 133				.129 .097	.064 .190	. 268
							. 056		1				.078 .081	.012 .085	. 095	.003 .002	.002	. 005							. 063 . 076	.031 .085	16 . 094
I																											
I	.029	.023	13 .071	.009	005	.013																			.023 .013	.022 .051	18 . 070
I				.020	009	. 038																			.020 .019	009	15 . 038
l			<del></del>	<del> </del>																							
l	·		. ,												-												
Ì																											
Ì																											
Ì																			<u> </u>								
l	<del></del>	,												-					<u> </u>			.086 .087	.002	. 089	.086 .087	.002	. 069
																						.076 .084	.015	. 28 . 089	.076 .083	.015 .088	. 089
Ì				<u> </u>				······					<b> </b>			<u> </u>						. 055 . 054	.005	. 26 . 067	.055 .054	.005 .056	. 067
İ	·									. 077		1										074 074	.010	. 090	.074 .075	.010	. 0 <b>90</b>
Ì	. 093	.012	20 .119	<u> </u>				<del></del>		.098	.022	. 124	<b>†</b>						<b> </b>					•	.094 .090	.014	. 124
I				<u> </u>						.307	. 184 . 507	36 .576	<u> </u>												.307 .291	. 184 . 507	. 578
Ì		, .			··· · <del>-</del> ··-					. 326	.095 .436	. 507						······································	<del>                                     </del>						.326 .306	. 095 436	. 507
Ì	<del></del>			l						.398	. 186 . 551	. 848	<b> </b>			<u> </u>									.398 .343	. 186 . 551	. 848

LONGITUDE

TABLE XI. - GASP AMBIENT OZONE DATA BY LATITUDE FOR NOVEMBER

(a) Flight level 290

		CODI	E: [	MEAN 50%	ST. D		N 98%															NC FL	VEMBE 290	ΞR		
																								ME	AN	
M																										
																				······						
	<b>.</b>																				. 064 . 046	.034 .101	. 128	.064	.034	. 128
				<u> </u>														.083	039	. 166	. 070 . 050	. 052 . 092	16 . 201	.075 .055		. 198
	. 053 . 042	026	. 094			····						041 037	013 051	. 061				. 066 . 066	.028 .098	16 . 10 <b>8</b>	. 052 . 041	.045 .053	. 147	.057 .038	032 096	. 130
	.053 .058	.013	. 073									.044 ∶039	010 052	. 057	.034 .037	.008 .041	. 043	. 054 . 038	023	. 094				. 046 . 038	.060	. 093
	.057 .047	.018 .071	. 081				.058 .067	.013	. 071			.070 .063	022	. 104	. 062 . 055	.021 .079	. 101							. 062 . 055	.019 .079	. 105
																	<del></del>	<u> </u>								
l	.067 .074	.014 .076	. 077	.073 .073	.001 .073	. 073				<u> </u>		. 023		<u> </u>	<u> </u>									.062 .073	.019 .075	. 07
l				.061 .068	.014 .072	. 07 <b>8</b>	. 022 . 022	.003	. 024			.034 .032	.010 .043	. 0 <b>53</b>										. 044	.019	. 07
							.024		1			.035 .038	.007 .041	. 041 .										.034	.008 .041	. 04
							<u> </u>					.009		1										.009		
ļ				.031 .031	.011 .038	.041																		.031	.011 .038	. 04
																		<u>.</u>						<u> </u>		
							.026 .026	.016 .037	.041		<del> </del>													.026		. 041
							.051		1	. 061	1												····	.056	.005	. 06
ļ					<del></del>					. 054	1	. 051		1										053	.002 .054	. 054
ŀ	<del></del>														ļ									<b>  </b>		
ŀ												<b></b>			<u> </u>									Ⅱ		
l															ļ								· · · · · · · · · · · · · · · · · · ·	H	027	
l			-	-			.072 .072	. 026	. 097	, 106	1	1											<del></del>	098	.027 .103	. 106
ŀ																								<b>II</b>		
ļ	5E		6(	<u></u>		105				OE.		165W			<u> </u>			5W			OM.			15E		

 $\infty$ 

TABLE XI. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR NOVEMBER

(b) Flight level 310

NOVEMBER

MEAN ST. DEV. CODE: FL 310 84% MEAN LAT 70N 70N 65 65 . 277 . 13 . 161 .141 .096 .073 .266 . 26 . 276 60 . 315 .049 107 55 . 71 . 299 .118 .105 .053 .249 .024 007 7 .025 032 034 .030 .006 3 .032 .035 .037 .083 .030 10 .080 .117 .132 .091 .073 .073 .111 45 .027 21 .047 .007 10 .048 .051 .059 .060 .051 .059 .041 .046 .094 13 .112 .023 3 .125 .129 .131 .116 .001 2 .056 .022 14 .050 .077 .096 39 152 .034 12 .091 .139 .069 .034 **9** .057 .077 .144 .054 .031 4 .043 .079 .102 .010 .077 .015 12 .081 .090 .097 .018 .068 .016 .075 .080 .042 .017 6 .039 .059 .068 . 072 . 083 .047 .015 10 .055 .060 .064 .017 .073 .076 7 .038 .087 .233 20 .013 . 063 .034 .013 10 .031 .037 .063 15 . 035 .005 026 .007 . 030 10 .005 .016 .005 .015 .021 10 15 . 114 .043 .033 10 .028 .073 .114 20 . 16 . 103 .098 .005 7 .098 .102 .104 25 .078 .014 .079 .090 . 054 30 30 .024 .082 .052 5 .068 .111 .176 35 40 455 455 15E 150E 105E 75W 120W

TABLE XI. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR NOVEMBER

(c) Flight level 330

CODE:	MEAN ST. DEV. 50% 84%	N 98%				NOVEMB FL 330	
		<del></del>					MEAN
						. 271 . 056 10 . 277 1 . 297 . 312 . 321	.271 .054 11 .291 .312 .320
						.217 .036 3 .280 .042 15 .237 .244 .247 .291 .318 .331	.269 .047 18 .275 .317 .331
			.267 .044 .7 .255 .324 .341			.118 .106 19 .230 .086 13 .053 .274 .294 .274 .310 .320	.182 .111 39 .226 .296 .328
				.223 .082 12 .236 .315 .322	.275 .026 8 .287 .292 .294	.194 .103 27 .138 .077 18 .258 .278 .315 .135 .225 .238	.194 .096 65 .227 .285 .318
			.057 .002 2 .057 .058 .059	.039 1	.136 .112 17 .064 .302 .331	.183 .106 57 .056 .045 79 .198 .306 .357 .043 .065 .226	.111 .100 156 .044 .238 .350
.097 .048 .074 .133 .	11 206		.119 .026 7 .132 .138 .143	.041 .001 2 .041 .042 .042	.071 .045 35 .053 .101 .190	.084 .068 86 .069 .033 12 .064 .118 .281 .066 .095 .138	.062 .059 153 .065 .119 .273
.052 .018 .052 .072 .	34 085	.063 012 3 .062 074 .078	.067 .040 11 .053 .107 .140	.039 .011 14 .038 .043 .065	.075 .049 48 .056 .106 .203	.058 .053 15 .045 .067 .195	.062 .041 125 .053 .077 .201
.064 .020 .057 .0 <b>67</b> .	18 105	.079 .026 <b>26</b> .076 .102 .138	.091 .007 4 .089 .098 .101	.047 .023 22 .042 .069 .095	.075 .050 15 .067 .098 .187		.067 .032 85 .066 .096 .152
061 015 058 081	12 .049 .007 11 086 .053 .057 .058	.061 020 7 .055 069 101	.094 1	.063 .030 40 .061 .073 .139	. 058 1		.061 .025 72 .048 .072 .123
		.034 .014 8 .034 .043 .057		.053 .034 .33 .043 .077 .132			.049 .032 41 .042 .073 .116
	.033 .006 2 .033 .037 .039	.020 .006 3 .019 .024 .027		.058 .026 6 .060 .079 .096		.056	.044 .025 12 .035 .071 .094
	.025 .011 9 .027 .037 .041	.025 .003 2 .025 .027 .028				037 004 5 039 039 040	.029 .010 16 .024 .039 .041
	.021 .005 12 .021 .027 .028					.037 .001 4 .037 .038 .038	.025 .008 16 .023 .036 .038
	.026 .007 8 .023 .035 .038	.003 .002 2 .003 .004 .004		.030 .007 2 .030 .035 .037		.034 .005 2 .034 .037 .039	.024 .011 14 .022 .037 .039
		.015 .004 5 .013 .019 .020		.041 .011 17 .038 .046 .071			.035 .015 22 .036 .045 .069
		.025 .005 4 .027 .029 .030	.047 .037 11 .046 .067 .130	.052 .025 5 .050 .071 .089			.044 .032 .20 .029 .065 .124
		.058 .028 7 .045 .092 .096	.037 .026 14 .036 .061 .093			.024 .004 4 .024 .027 .029	.041 .027 25 .032 .069 .099
		.067 .031 13 .065 .101 .111	.058 .030 4 .044 .079 .105	.032 .011 13 .030 .045 .048		041 024 5 041 057 078	.049 .029 35 .041 .088 .111
		.060 .023 10 .068 .076 .082	.038 .001 6 .038 .038 .040			.066 .020 4 .067 .080 .091	.054 .022 20 .039 .075 .089
		.108 1	.059 .017 14 .057 .077 .084			.062 .028 5 .071 .088 .097	.062 .023 20 .061 .083 .104
			.117 .049 17 .110 .159 .229			.078 .012 3 .070 .086 .093	.112 .048 20 .108 .134 .226
		.064 .002 <b>2</b> .064 .065 .065	.135 .081 30 .097 .238 .311		<u> </u>	.050 1	.128 .080 33 .095 .222 .305
			.131 .106 4 .141 .235 .241				.131 .106 4 .141 .235 .241
			.069 .002 2 .069 .070 .071				.069 .002 2 .069 .070 .071
15E	60E 1	DSE 1		65W 1;	2OW 7	'5W 30W 1	5E

TABLE XI. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR NOVEMBER

(d) Flight level 350

CODE: MEAN ST. DEV. N 50% 84% 98% NOVEMBER FL 350

							MEAN
					.260 .051 13 .257 .312 .321	.270 .046 10 .266 .319 .331	.264 .049 23 .266 .315 .328
				.219 .041 20 .217 .263 .262	.243 .047 21 .240 .283 .310		. 232 . 046 41 . 223 . 283 . 307
			. 329 1	.172 .055 6 .191 .224 .235	.185 .084 68 .202 .261 .341	.235 .026 11 .271 .039 .229 .259 .283 .256 .307 .34	7 .198 .080 93 2 .215 .266 .347
			.181 .061 .25 .164 .251 .302	.208 .019 7 .209 .225 .231	.196 .090 65 .219 .271 .358	.146 .113 53 .126 .076 5 .107 .277 .371 .127 .198 .30	
			.131 .086 38 .111 .237 .338	.092 .070 15 .068 .091 .266	.158 .088 62 .155 .244 .358	.145 .099 .96 .072 .061 .7 .123 .258 .339 .051 .127 .27	8 .124 .091 269 7 .098 .236 .339
.059 054 .050 064 2	23 212	.265 .023 2 .265 .280 .286	.121 .091 34 .093 .162 .345	.023 .006 8 .025 .029 .030	.174 .089 .65 .189 .266 .337	.086 .057 63 .051 .031 .068 .154 .199 .044 .089 .09	7 .115 .088 202 .087 .222 .327
.080 .035 .078 .122 .	62 38	.132 .091 .24 .094 .212 .346	.093 .064 23 .067 .139 .263	.072 .106 16 .030 .055 .355	.070 .082 67 .038 .083 .299	.062 .031 6 .050 .080 .120	.083 .074 198 .044 .125 .309
.083 .025 .083 .112 .	23 28	.083 .041 9 .092 .114 .149	.030 006 12 .030 037 .046	.044 .030 69 .036 .053 .155	.046 .020 15 .041 .057 .094		.053 .033 128 .038 .084 .142
.033 .011 .032 .045 .0	19 055		.048 .019 20 .047 .064 .086	.043 .024 130 .036 .061 .113			.042 .023 169 .036 .060 .108
.058 .009 .058 .064 .0	2 067		.039 011 18 .037 047 .065	.037 .019 110 .031 .058 .080			.037 .018 130 .032 .057 .079
	.032 .008 .032 .037 .03	2 .021 1	.040 1	.049 .057 22 .037 .063 .202			.046 .053 26 .033 .056 .184
				.038 .014 8 .042 .052 .052			.038 .014 8 .042 .052 .052
			1	.053 .008 4 .051 .059 .065			.053 .008 4 .051 .059 .065
		.032 .003 2 .032 .034 .035		.041 .012 6 .048 .049 .049		.021 .004 .5 .023 .024 .024	.032 .012 13 .029 .048 .049
		.045 .018 .9 .038 .066 .071	.022 .011 19 .017 .038 .043	.019 .010 3 .012 .026 .032		.024 .003 .5 .022 .027 .029	.028 .016 36 .021 .041 .068
		.051 .018 12 .052 .071 .082	.024 .013 16 .024 .040 .047			.016 .001 4 .016 .017 .018	.033 .020 34 .026 .053 .077
		.068 .025 11 .056 .095 .100	.031 .011 15 .032 .039 .052			.013	.045 .026 27 .038 .084 .098
		.062 .018 13 .061 .074 .100	.029 .022 7 .021 .027 .076	.052 1			.051 .024 21 .051 .072 .097
		.075 .029 12 .066 .118 .127	.054 .044 5 .027 .088 .131			. 100 1	.071 .035 18 .058 .118 .134
		.080 .032 7 .068 .112 .128	.102 .013 14				.094 .024 21 .102 .111 .126
		.091 .014 7 .086 .107 .112	.091 .029 39 .098 .122 .138				.091 .027 46 .086 .120 .137
		.187 .008 2 .187 .192 .194	.100 .029 26 .103 .137 .148				.107 .035 28 .104 .142 .186
		.088 .026 2 .088 .106 .114					.088 .028 2 .088 .106 .114
		.065 .005 8 .067 .068 .072					,065 .005 8 .064 .068 .072

TABLE XI. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR NOVEMBER

(e) Flight level 370

		L	50%	84%		98%																	OVEMBE _ 370			
																								ME	AN	
												249	.108 .354	45 426										. 249 . 261	. 108 . 354	. 42
									.189 .168	. 064	. 318	. 227 . 228	.079 .305	51 416	199	.097	. 370				.408 .418	. 043	. 460	.224	. 094 . 315	. 42
									235 246	.088 .336	50 .358	.221 .250	. 095 . 304	. 17 . 353	. 251 . 265	. 109 . 353	29 .483	. 224 . 196	146 377	30 . 528	.120 .107	.079 .189	65 , 292	. 195 . 189	.115	. 44
									. 185 . 179	.085 .277	. 339	. 194 . 186	.084 .285	33 362	. 324 . 307	.094 .396	. 505	. 134 . 123	109 252	. 399	. 067 . 045	.058 .112	. 17 <b>9</b>	.143 ,119	.110 .265	. 40
105 063	. 099 . 242	. 36 . 320				. 096 . 097	.017	.119	.120 .110	.077 .181	62 . 326	.076 .053	.056 .119	. 280	.112 .090	.066	154 273	. 125 . 080	.103 .263	. 351	. 145 . 098	. 133 . 252	30 . 444	.111 .076	. 085 . 207	. 32
098 080	. 069 . 135	. <b>33</b> 1				.077	.051	32 .209	.100 .075	.067 .174	36 . 258	.063 .041	.040	33 154	.070	.064 .114	104 290	.125	.070	. 286 . 286	. 086 . 083	.028	14 . 142	.082 .063		. 30
160 172	.031 .183	. 13 . 198				. 043 . 043	.033	. 124	070 063	033 095	18 .155	. 046 . 044	.019	. 088	. 131 . 127	.069 .209	39 336	.031 .032	.009 .040	. 045				.070 .044	. 061 . 126	20
082 072	.031 .109	. 138	. 069 . 064	.019 .094	. 100	.023	.013 .040	. 040				. 046 . 045	.021	. 080	.067 .060	.016	. 088	.029	.015 .042	. 044				.048 .043	. 025 . 069	. 10
053 060	.019	. 072	. 084 . 087	.020	.19 .117	.017	.004	. 021				.051	.031	. 122				. 027 . 030	.009	. 042				.050	.031	. 11
			. 069 . 057	029	. 120	.037 .037	.004 040	. 043				.048	.033 .085	15 101				. 027 . 027	.013 .038	.048				.042	. 029 . 074	. 10
			, 041 , 041	.000 .041	. 041	.039 .038	. 008 . 046	. 052				.025 .022	.013	. 049				. 037 . 023	.028 .059	.093				.036 .037	. 021 . 051	. 09
									.017 .017	.002 .018	.019	. 026 . 024	.008 .032	12 043				. 042 . 049	. 025 . 065	. 07 <b>5</b>				.033	020 054	. 07
						. 002		1	. 029 . 027	.004	. 035	.031 .037	.015 .046	.048				. 049 . 045	.030 .085	.088				.037 .026	.024 .059	. 08
									. 033 . 035	.006	. 038	. 043 . 047	.010	. 056				.050 .043	.030 .085	.089		-		.042 .032	.020 .058	. OE
									.016 .016	.001	.018	.047	.005	. 053				. 023	.007 .029	. 031				.031	.014 .049	. 05
			!									. 046 . 045	.003 .048	. 050				. 020		1				.041	.010 .046	, 05
												. 052		1										. 052		
						. 025 . 024	.011	. 041	.082 .082	.015	, 096							. 046 . 037	.022	. 080				.045 .033		. 09
						.035 .015	.035	. 099	. 092 . 086	014	. 119													.072 .083		. 11
	_					.076 .080	.017	. 097	. 083	.017	. 098		······································											.078 .080	017 096	. 09
						. 165 . 168	.018	. 193																. 165 . 168	.018 .186	. 19
						. 257 . 265	.017	. 271								-								. 257 . 265	.017 .268	. 27
						.182	.015	. 196	. 291 . 279	.061 360	. 391	<b> </b>			<b>1</b>									.274 .264	.069 346	. 39

LONGITUDE -

# TABLE XI. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR NOVEMBER (f) Flight level 390

CODE: MEAN ST. DEV. N 50% 84% 98% NOVEMBER FL 390

																									MEAN		
					***************************************				. 308 . 280	. 094 . 409	10 . 478	. 279 . 266	.101 .355	104 .515	.164 .164	.026	. 188							. 26	55 .3		6
									. 357 . 388	.114	. 521	. 348 . 357	. 133 . 510	. 58 . 579	. 355 . 336	079 420	. 509							.3		22 11 96 .56	8 5
									. 337 . 344	. 106 . 458	. 503		. 084 . 384	. 445	.318	136	. 529	. 288 . 257	.099	10 475	.152 .080	. 137	.418	. 30			4
									.173 .160	. 087 , 256	. 386		. 107 . 353	. 486	. 241 . 236	. 101	. 486	.141	. 092	. 273	.069 .048	.062	. 272	11:15			—
.319	504	. 528							.191 .142	330	. 358		. 120 . 328	. 376	.281	. 153	18 . 496	.166	.093	. 313	.012		1	12			6
.102 .093	.033	. 168				. 055		1	.102 .090	. 047 . 157	. 220		014	. 079	1119	189	191 . 381	.063 .047	.048	. 175				: 00			
:146 :119	.085	. 295				. 048 . 045	.011 .047	. D72	.068 .068	004	. 075		.021 .079	. 088	:191	143	113 .445	022	012	. 047	ļ			: 04	36 3		
.091 .086	.044	10 .169	. 088		1	. 053 . 057	009	. 059	. <b>0</b> 40 . <b>0</b> 40	008	. 053		.017	. 099	.062	011	, 083	.075 .072	.019	. 105				.00		25 9 86 .12	
. 055 . 055	022	17 .088	. 068	008	. 078				. 041 . 043	011	. 062		.022	. 102				.020	.005	. 028				:0:		21 10 72 .09	
			. 064	.013	, 086	. 032 . 029	.008	. 044					. 043	18 .191				. 026	.003	. 031	L			.01		35 5 82 .15	_
						. 033 . 031	.010	. 047					.024	. 092				.038	014	. 067				.04		19 3 53 .08	_
						. 025 . 030	011	. 034				. 021		1				.047	.014	, 076				:04		16 3 63 07	_
						.023	.028	. 031										.064	014	. 092	<u> </u>			:01		20 .09	
																		075	019	. 106	ļ			:0:		19 2	
																		.063	.018 .079	. 088				:81		18 1 79 .08	_
															<u></u>			.054 .056	.016	. 081	ļ			.01		16 2 68 08	_
									.050 .043	.028	. 102							.052	.013	. 073	<u> </u>			.0		19 3 66 .09	-
<u> </u>									. 086		1							.047 .046	.013 .059	. 071	ļ			:0:		65 .08	2
																	-0	.068 .067	.012 .078	.005	<u> </u>			.00		12 78 .08	5
	,,								. 028		1							148	192	. 209	<u> </u>			1		60 88 .20	8
							·		. 155 . 156	.014 .167	. 173													:1		14 67 .17	-
						. 196 . 210	. 045	. 234					-		<u></u>											45 26 .23	
									. 231 . 231	.024	. 254										<u> </u>			15E	31 .0	24 47 . 25	2 4

TABLE XI. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR NOVEMBER

(g) Flight level 410

_							1			т			T			1			т			Y			ME TT	AN	
_																		<del> </del>							<b>II</b>		
_													.398 .426	.091	13 496	. 135		1		<del></del>		<u> </u>			.379 .424		. 49
										. 395 . 385	.121 .514	. 590	.304 .232	. 192 . 544	40 653		. 146 . 479	38 606							.329 .306		. 64
_			·		<del></del>			······		. 405 . 390	.116 .524	. 632	.528 .521	. 627	688	.362 .337	. 105 . 504	. 542	.290 .319	. 069	. 357				.398 .385	. 120	. 6
										.340 344	137	. 603	192	.116	. 552	. 203 . 167	.117 .364	40 448	317	. 089 . 394	. 398	.116 .090	.049		. 269 . 234	. 145 . 424	. 5
							.211 161	124 387	.412	. 259 . 236	.105 .379	. 460	.162 .112	. 142 . 268	. 596	. 246 171	. 152 . 430	578	.046 .013	.075	. 21 . 251	.040 .032	.014 .054	. 064	. 195 . 093	. 149 . 365	. 5
	081 072	029 092	. 159				.148 .118	. 097	. 382	. 339 . 333	170 495	. 621	.102 :050	. 121 . 195	.410	133 069	. 104 . 250	. 374							.143 .089		, 5
		050 144	. 213 . 213				.064 .054	.032	. 144	.081 .072	.022 .093	. 132	.040 .036	.020	, 068	. 031		1							.078		. 2
	034 032	010 043	. 052				.044 .042	.012 .059	. 063				.072 :073	.008 .078	, 084				. 024		1				.045 .040		, 0
	050 053	022 072	. 080	.050 .055	.018	. 067	. 059 . 059	.006	. 0 <b>66</b>				.066	.006 .069	. 071				.032 .030	.007	, 042	<u> </u>			.049 .053		. 0
				. 053 . 056	.009	15 .065	. 009		1										. 054 . 051	.019	. 084				.051 .052		. 0
																			.106 .104	:011 :111	.127				.106 .104		. 1
																			. 065 . 065	.020 .078	. 083				. 065 . 065	.020 .078	. 0
				.013		1	.011		1										. 062 . 063	.012 .074	. 07 <b>5</b>				.051 .063	.023	. 0
																			077 070	.019	. 108				.077 .070	. 101	. 1
																			.074 .073	.017	. 18 . 101				.074 .073	.017	. 1
						***************************************													. 059 . 055	013	. 081				. 059 . 055	.013 .072	0
																			.054 .051	015	. 07 <b>9</b>				.054 .051	.015 .070	. 0
											•					1			. 065 . 065	.016	. 096				.065 .065	.016 .082	. 0
																1											
		-										·				1											
				<del></del>			<b></b>									1											
												·				1											
																1-									11		

9

TABLE XI. - Concluded. GASP AMBIENT OZONE DATA BY LATITUDE FOR NOVEMBER

(h) Flight level 430

	CODE:	MEAN 50%	ST. 1		N 98%															NOVEMBEI FL 430	₹		
	•																				MEAN		
ı																							
								. 291		1	<u> </u>										. 291		1
								. 675		1				.373 .372	.017 .386	. 397						13 54 .64	_
								.507 .426	. 208 . 690	18 940				321 314	. 132 . 481	. 523	.138 .169	.091 .211	. 297			08 5 05 .85	_
					274 .287	. 132 . 364	. 570	431	. 162 . 553	. 868	<u> </u>			284 206	. 166 . 519	. 638	.215 .249	. 307	26 328			67 13 18 .65	
					.251 .200	.174 .448	. 68 . 649					002	. 029	.327 .315	.083 .392	. 464	. 232 . 212	.128 .308	.482			69 9 33 64	
					.106 .091	.058 .161	. 186				.037 .037	002	. 039	ļ			.079 .080	.036	. 144 . 144			41 2 26 16	
					<u> </u>						<u> </u>		·	<u> </u>			.050 .052	.014	. 076			14 2 61 .07	_
.045 .036	019 060 .08	. 057		1			·							<u> </u>	\		:047 :044	.013	16 .067			15 2	_
	·····	. 043 . 043	.001 .044	. 044	:010 :010	002	.011										.041 .044	.012 .053	, 054			15 1 151 .05	_
					.010 .008	.009	. 026							<u>↓</u>			.040 .040	. 009 . 046	. 049			116 131 .04	
					0.000	002	. 006				<u> </u>			ļ								002 .00	_
ļ		.037 .037	. 030 . 057	. 066	.002 .002	002	, 003				L										.019 .0	128 138 .06	3
					<u> </u>						<u> </u>			<u> </u>			<u> </u>				<b> </b>		
<u> </u>					<u> </u>			ļ			ļ										ļ		_
					<u> </u>						<u> </u>			ļ							<b> </b>		_
											<b> </b>			ļ						·	<b> </b>		
	***************************************													ļ			ļ				<b> </b>		
								<u> </u>		<u> </u>	<b></b>			<u> </u>			ļ	· .			<b> </b>		_
								<u> </u>			ļ		•			·	ļ				<b> </b>		_
ļ					<del> </del>			ļ			<b> </b>			<b> </b>	<del></del>		ļ				<u> </u>		_
<u></u>					<u> </u>	<del></del>		<u> </u>			<b> </b>										<b>  </b>		
15E		60E		10	<u> </u>			OE			65W			20W			<u> </u>			low 1	<u>Ι</u> 5Ε		

### TABLE XII. - GASP AMBIENT OZONE DATA BY LATITUDE FOR DECEMBER

(a) Flight level 290

		<del></del>	4%	98%																		_		
	<del></del> -						,						·						<del></del>			ME	AN	
										<u> </u>						<u> </u>						Ш		
						***	<u> </u>			<u> </u>			<u> </u>			<u> </u>								
							<u> </u>			<u> </u>			<u> </u>						.094 .096	.031	.139	094 096	.031	. 13
													<u> </u>						.071 .063	1034	. 127	071	.034	. 12
													176 176	.029	. 203	.035 .034	010 047	. 04 <b>8</b>	.088	.055 .141	. 205	080 050	.058 .146	. 20
062 .036 10 044 .115 .13	}												.033	.003	. 039	.098 .054	061 221	43 . 274	. 093 . 086	.023	16 .142	. 085 . 056	.065 .117	. 2G
42 .019 30 37 .058 .079	3									.037		1	.057	.022	. 10 <b>8</b>	.070 .057	130	12 . 134				.050 .044	.027 .065	. 13
43 .014 10 44 .056 .06				. 062		1				.049	027	.085	.053	025	. 093							.049 .045	021	. 0 <b>9</b>
38 .00G (	.05	6 .00	7 12							.056	····	1										050 054	.011	. 06
30 001 30 032 03									,	. 064		1						· . ·			<u>.</u>	035	.012	. 06
	1			.055	.021	. 081	.065	.027	.119	.055	008	. 069	<b>†</b>				-					.059	.020	. 10
	02	6 .006	. 031	.036	.025	075				. 032		1	<u> </u>				·		<u> </u>			.034	020	. 07
·····	03			1			ļ			<b> </b>					<del></del>	<del>                                     </del>						.037	.010	. 05
· · · · · · · · · · · · · · · · · · ·	1									$\vdash$			<b>†</b>			<del>                                     </del>			<u> </u>			11		
	1			<b>†</b>						<del>                                     </del>			†			<b>†</b>						<del>  </del>		
	1	<del></del>		<del>                                     </del>						<del>                                     </del>			<del> </del>			<del>                                     </del>			<del>                                     </del>			<del>                                     </del>		
				<del>                                     </del>									<del>                                     </del>			†			<u> </u>			<del>  </del>		
	-	<del></del>		<del> </del>			.053		1	.029	006	22	<del>                                     </del>			<del>                                     </del>			1			037	.012	. 05
	+			<del>                                     </del>			<u> </u>			1.028	.033	. 030	<del> </del>	<del></del> -		<del>                                     </del>			<b></b>			#		
	+			.044	.013	. 057	<b></b>			<del>                                     </del>			<del> </del>			<del>                                     </del>			<del>                                     </del>			.044	013	. 05
<del></del>	+			.051	.054 .006	057	<del></del>			<del> </del>	· · · · · · ·		<del> </del>			1	<del></del>		<del> </del>			021	.006	. 01
	+	<del></del>		.021 .032 .032	.024	.026 .035	.089 .107	.039	. 124	<del> </del>			<del>                                     </del>			<del> </del>			<del> </del>			066	.041	. 12
				032	. 034	. 035	. 107	.119	. 124	<del> </del>			<del> </del>			<del> </del>			<del> </del>	<del></del>		.025	.003	0.
·										<b>!</b>	· ·					<u> </u>			L			1 .025	. 026	

### TABLE XII. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR DECEMBER (b) Flight level 310

																						_			ME	AN	
																						.183 .186	.011	. 19 <b>5</b>	.183 .186		. 15
_										.048 .050	.027 .074		<u> </u>			ļ	· <del></del>		. 205 . 209	.043 .237	. 273	.127 .091	.061 .219	. 264 . 264	.130 .095	.082 .225	. 2
										. 084 . 088	.041	. 152	.075		1	<u> </u>			.119 .066	.089 .237	. 265	.060 .045	.029	. 112 . 112	.088 .068	.064 .132	. 20
	. 035 . 031	.014	. 072							.111	.083 .216	. 281	.074 .074		. 083	.056 .034	.066 .037	. 203	.110 .091	. 064 . 194	. 226 . 226	.096 .094	. 055 . 127	13 209	.088 .057	. 070 . 157	. 2
	. 043 . 050	.010	. 052				. 059 . 052	. 063	.112	110	.042 .149	. 169	035	.011 .045	, 053	.091 .055	.070 .167	. 267	.075 .059	.043 .117	. 163				.076 .039	. 057 . 124	. 25
_	044	019	.086				. 078 . 077	.021 .100	. 109				045	033	. 128	.068 .059	.044	. 198	.037 .034	.008 .045	. 052				.053 .035	.034 .070	. 13
	039	008	.047				<u> </u>						055 045	037	. 155	<u> </u>			039	.002	. 041	.022	033	. 037	.047	060	. 1
_	050 046	.066	.106				.045 .046	,004 ,047	.048				.045	.017 .051	. 094	<u> </u>			ļ			ļ			.046 .043		. 1
_				. 058			.031 .031	.011	. 054	. 049 . 053	,008 ,056	. 059	.047 .048	.018 .067	083	<u> </u>			<b> </b>						.042		. 0
				. 058		·	.024 .022	008	.041	024	005		.026	007	041	<del> </del>			<b> </b>			ļ			.027 .025	:010	. 0
_			<del></del>				ļ			.024	.005	. 028	.030	.007	.041	ļ					<del></del>				.028 .025	.007 .035	. 04
										.028	008	. 034	ļ			<b>├</b> ─					-			<del></del>	.028	.008	. 03
_				.008						.023	.003	. 026				<del> </del>			<u> </u>			ļ			023	.003	. 02
		<del></del>			. 001	4				.026	.003	. 032	ļ			<del> </del>			-						023 025	.007	. 03
				014 015		. 015	<del></del>			.025 .025 .029 .032	.002	. 028	<u> </u>			├		<del></del>	<del> </del>						,020 ,023		. 02
				. 011	.016	. 018	. 009			.032	.009 .038 .001	. 039				├	<u>.</u>					<del> </del>			.022 .018 .035 .047	.011 .036 .018 .048	. 03
							.031	.010	2	.048	.049	. 049				<del> </del> -						<del> </del>			.047	.048 .010 .038	. 04
				·			. 031	.038	.041			<u></u>			<del></del>	<del>├</del>			<del></del>			ļ			.031	. 038	. 04
								·		.078	.022	. 109			·	<del> </del>			<del> </del>			<b> </b>		· · · · · · · · · · · · · · · · · · ·	.078	. 022	
					1001					.072	.105 .019 .057	. 109	-						<del> </del>			<del> </del>			072 041 039	.105 .019 .057	. 10
_										. 039 . 044 . 043	.057 .010 .053	. 065	<b> </b>	<del></del> -		├-			<del> </del>			<b>-</b>	<del></del>		039 044 043	.057	. 06

TABLE XII. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR DECEMBER

(c) Flight level 330

																								ME	AN	
				<del></del>		<u> </u>									<u> </u>			.215 .214	.022	. 241	[			.215 .214	022	. 24
					<del></del>	<u> </u>						.312		1				.092 .108	.038	. 132	. 159 . 142	.054 .227	. 12 . 249	. 149 . 121	.069 .227	. 29
															. 236 . 242	. 043 . 280	20 291	. 224 . 236	.095 .297	41 .456	.312		1	. 229 . 225	. 082 . 291	. 41
									. 190		1				. 226 . 229	.045 .274	14 . 287	.119 .081	.093 .247	35 .315	. 167 . 188	.099 .274	60 . 349	.160 .108	. 097 . 269	.34
									. 206 . 210	037	. 254	. 181		1	. 269 296	.051 .313	15 347	. 276 . 298	.105 .377	. 428	.125 .107	.076 .196	. 321	. 190 . 188	. 105 . 307	. 40
044 049	.013	. 11 . 059							. 055 . 056	007	. 11 . 066	. 046 . 034	. 027 . 068	13 .112	. 109 .083	. 066 . 156	33 . 287	.112 .067	.086 .205	50 . 317	.119 .089	.072 .216	. 234	.094 .062	.073 .160	. 29
077 077	. 024 . 092	. 09 <b>9</b>				. 134 . 128	. 059 . 188	. 218	126 102	.058 196	. 24 . 225	.042 .034	.023 .049	. 087	.082 .062	. 065 . 109	. 321	044 038	.023 .054	. 14 . 101				.087 .064	. 064 . 134	. 22
030 031	008	. 046				. 075 . 051	050 117	. 198	. 047 . 041	011	. 061	. 054 . 047	.031 .066	. 129	.065	. 027 . 079	. 139							.059 .048	. 036 . 079	. 17
039 026	. 031 . 047	. 099	. 022	.002 .024	.025				-			. 064 . 055	. 034 . 106	40 . 139	. 050		1							.058 .048	.034 .103	. 13
072		1	. 028 . 024	.016	10 .065	. 045 . 058	020	.066				. 056 . 044	. 027 . 082	35 , 124										.050 .041		. 12
			. 039 . 024	.027 .060	. 075	. 063 . 065	.032	. 098	. 075 . 074	.015	. 105	.041 .037	011 .055	. 058										.062 .062	024	. 10
			. 040		1	.032	.015	. 069	. 080 . 079	.011 .091	. 098													.048 .031	. 027 . 077	. 09
																								L		
			. 033	.001 .034	. 035							.032		1										. 033 . 033	.001	. 03
			. 028 . 027	010	. 041								_											.028 .027	.010 .039	. 04
			. 007 . 007	.003 .010	.011				. 021 . 021	. 001 . 022	. 023													:014 :012	.007 .021	. 02
									. 027 . 020	.012	. 048													.027 .020	.012	. 04
									. 024 . 021	.010 .033	. 037	.034 .033	.016 .056	13 .057										. 032 . 027	.016 .052	. 0 <del>5</del>
									. 072 . 072	. 006 . 076	. 07 <b>9</b>													.072 .072	. 006 . 076	. 07
									. 070 . 079	.025 .096	. 098													.070 .079	. 025	. 09
									. 102 . 097	.032	. 193													. 102 . 097	.032 .123	. 19
						. 056		1	. 104 . 096	. 044 . 137	. 12 . 198													.101 .095	. 044 . 126	. 19
						. 046		1							<u> </u>									.048		
						. 040						<del> </del>	-		ļ			<u> </u>			ļ			H		

TABLE XII. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR DECEMBER

(d) Flight level 350

	CODE:	MEAN ST. DEV. 50% 84%	N 98%					DECEMBE FL 350	R	
	<b></b>								MEAN	LAT
70N						.299 .054 8 .295 .361 .385	.285 .067 23 .290 .347 .408		.289 .064 31 .290 .357 .406	701
65					.258 .035 15 .252 .280 .336	.163 .007 2 .163 .168 .170	.193 1		.244 .046 18 .243 .273 .335	65
60				.146 1	.202 .075 10 .214 .284 .296	.160 .082 32 .126 .280 302			.169 .081 43 .146 .281 .301	60
55				.077 .045 15 .071 .099 .186	.185 .053 .26 .189 .239 .275	.175 .093 54 .172 .282 .337	.252 .123 16 .269 .365 .431	.170 .063 9 .183 .217 .256	.175 .095 122 .127 .269 .381	55
50				.054 .031 9 .063 .065 .104	.144 .102 34 .105 .202 .375	.187 .113 44 .169 .314 .379	.176 .130 31 .137 .353 .380	.136 .079 46 .112 .217 .283	.155 .108 164 .084 .293 .376	50
45	.103 .054 42 .097 .160 .236			.110 .059 22 .102 .132 .267	.145 .089 59 .116 .251 .336	.233 .102 140 .239 .335 .396	.144 .109 65 .102 .276 .360	.108 .094 23 .054 .247 .279	.170 .108 351 .156 .298 .382	45
40	.093 .051 <b>64</b> .071 .141 . <b>217</b>		.115 .095 .13 .065 .189 .327	.176 101 24 202 289 334	.088 .080 88 .062 .154 .328	.090 .060 248 .066 .149 .244	.183 .184 .19 .074 .402 .495		.099 .080 456 .058 .163 .355	40
35	.081 .053 38 .068 .106 .262		075 058 5 052 102 179	.062 .031 .21 .049 .105 .125	.079 .058 189 .055 .136 .244	.100 .054 57 .085 .143 .241			.082 .056 310 .059 .133 .249	35
30	.064 .028 51 .060 .089 .132	.096 .030 4 .081 .116 .144	.049 .004 3 .050 .052 .053		.063 .041 232 .051 .087 .220	.066 .006 7 .064 .068 .078			.064 .038 297 .053 .087 .215	30
25		.071 .015 13 .070 .077 .104	.059 1		.051 .022 219 .045 .069 .113				.052 .022 233 .047 .071 .112	25
20	•	, 055 1	.018 .002 6 .018 .019 .021	.065 .019 21 .061 .084 .103	.044 .019 58 .039 .064 .089				.047 .022 86 .040 .069 .096	20
15		.033 .004 3 .031 .036 .039	.049 .017 <b>5</b> .047 .066 .070	054 020 23 055 074 083	.049 .015 18 .045 .065 .079				.050 .018 49 .046 .071 .034	15
10		.045 .004 5 .045 .048 .050			.037 012 8 .034 051 .053				.040 .010 13 .045 .050 .053	10
5		035 .006 7 .034 .042 .047			.019 .004 4 .019 .022 .025				.029 .010 11 .027 .040 .047	5
0		.034 .003 7 .035 .036 .036		.021 .000 3 .021 .022 .022	.024 .008 2 .024 .029 .031		_		.029 .007 12 .031 .036 .038	0
5		.019 .006 5 .017 .023 .028		.024 .004 3 .025 .027 .028					.021 .006 6 .017 .028 .029	5
10		.021 .008 4 .018 .027 .034		.028 .009 6 .027 .034 .043					.025 .009 10 .021 .034 .042	10
15		.046 .004 6 .045 .049 .052			.041 017 2 .041 .053 .057				.045 .009 8 .045 .052 .057	15
20				.044 .014 9 .042 .047 .074					.044 .014 9 .042 .047 .074	20
25				.073 .025 20 .082 .095 .101	.019 1				.071 .027 21 .078 .095 .101	25
30				.064 .029 29 .073 .084 .119	.023 1				.062 .030 30 .073 .083 .118	30
35			.049 .012 18 .054 .060 .061	.077 .038 12 .081 .114 .139					.060 .029 30 .048 .087 .135	35
40			. 063 1						.063 1	40
45\$										455
	15E 60	DE 10	5E 15	00E 1	65W 12	20W 7	'5W 30	DW 15	ıΕ	

TABLE XII. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR DECEMBER

(e) Flight level 370

CODE: MEAN ST. DEV. N
50% 84% 98%

DECEMBER FL 370

																					<del></del>			ME	AN	
												. 204 . 174	. 069 . 285	18 . 336	268 267	.080 .353	. 393							. 237 . 199	.082 .312	. 38 . 390
									. 211 . 240	. 162 . 393	. 18 . 416	. 159 . 140	.092 .252	. 48 . 382	. 248 . 302	.117 .382	33 396							. 198 . 181	. 122 . 349	. 400 . 400
									. 224 . 230	. 130 . 303	55 513	:173 :164	. 071 . 206	.40 .415	. 276 . 238	. 156 . 444	18 541	.317 .324	.059 .380	.410	317 354	. 125 . 430	.464	238	. 125 . 387	147 502
									. 358 . 298	. 163 . 536	. 682	. 139 . 109	. 085 . 266	. 315	.213 .213	.152 .316	358 358	. 288 . 294	.101 .407	. 459	. 234 . 265	.160 .409	36 .515	. 252 . 158	. 158 . 409	128 594
									. 155 . 144	. 095 . 257	. 369	.132 .149	. 101 . 216	. 329	. 165 . 179	.100 .273	. 340	. 202 . 097	.186 .479	. 581	.171 .149	. 120 . 300	. 423	.166 .094	. 125 . 290	234 .483
: 117	7 .026	. 165				. 102 . 103	. 056 . 155	. 196	. 152 . 158	. 084 . 243	. 263	.088	.062 .163	81 220	.125 .100	. 104 . 206	574 .447	. 262 . 255	.142 .397	. 492	. 219 . 251	.109 .331	. 358	.125	.101 .205	733 431
102	2 .038	152				. 058 . 045	. 031 . 087	. 128	. 132 . 121	. 038 . 157	. 24 . 234	.090	.067 .156	. 293 . 270	: 151 : 150	.064 .227	.243					<u> </u>		.105 .069	, 070 . 192	458 246
. 148	065 205	219	.116 .093	. 058 . 203	. <b>2</b> 06	. 054 . 041	. 035 . 097	. 127	:115 :115	. 002 . 116	.117	. 073 . 059	.054 .101	. 222 . 243										.073 .060	. 054 . 109	281 240
.044	029 079	. 096	. 067 . 071	. 027 . 084	. 12 . 114	. 038 . 046	. 017 . 056	. 061	.043 .041	.011 .059	. 064	.068 .067	.033	188 .145										.061 .059	.032	267 144
			. 047 . 052	.020 .071	. 080	. 039	. 006 . 041	. 052	. 063 . 063	.016 .077	. 089	.053 .040	.027 .085	38 . 120										. 054 . 048	. 023 . 077	. 106
			065 064	.001 .065	. 06 <b>6</b>	.034 .030	.016 .050	. 063	. 044 . 042	.007 .049	. 11 . 058	.032	010	40 057										.036 .033	.013 .049	67 . 065
									. 028		1	. 029 . 031	.007 .034	. 43 . 044										.029 .031	.007 .034	. 044 . 044
			. 026		1				. 030 . 031	.007 .036	.040	.029	.005	34 039										029 029	. 006 . 034	. 47 . 040
									. 024 . 025	006	13 033	.029 .028	.006	. 039				,						.027 .026	.007	. 039
									. 022	007	. 12 . 028	033	.007	28 . 040										.029 .026	.008 .039	. 040 . 040
							:		. 031 . 027	.011 .043	. 29 . 051	031 033	009	. 050										.031 .028	.011	. 051
									. 041 . 038	.014 .054	. 072	.023	.002 .024	. 026										.039 .037	.015 .053	. 071
									. 051 . 045	. 025 . 057	. 120	. 020 . 020	.005 .021	, 029										.044 .044	. 026 . 057	. 116
									. 061 . 058	. 022 . 083	. 105	:014 :013	.003	.018										.043 .043	. 029 . 066	18 . 104
									. 116 . 121	.014 .126	. 129													.116 .121	.014 .126	. 129
						. 149 . 154	.007	. 154		. 112 . 337	. 15 . 360													177 124	. 103 . 329	18 . 359
						. 042 . 036	.016	. 067						· · · · ·										.042 .036	.016 .058	. 067
						.128	.032	. 154											<del></del>					.128 .136	.032	. 154

TABLE XII. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR DECEMBER (f) Flight level 390

	CODE:	MEAN ST. DEV.	N					DECEMBE	ÎR .	
	Į	50% 84%	98%			•		FL 390		
									MEAN	LAT
70N										70N
65				.179 1	.286 .149 .56 .241 .461 .540				.284 .149 57 .217 .460 .540	65
<b>6</b> 0				.418 .151 52 .435 .587 .632	.290 130 66 .281 422 569	.121 .024 11 .121 .133 .173	.277 .075 12 .262 .333 .427	.282 .156 32 .286 .450 .517	.315 .156 173 .303 .485 .607	60
55				.283 .189 93 .246 .484 .702	.307 142 17 .269 488 544	.279 .105 4 .230 .361 .444	.267 .162 41 .255 .438 .653	.216 .145 40 .193 .365 .480	.268 .172 195 .238 .450 .674	55
50				.297 .116 60 .267 .393 .555	.213 136 34 .196 .339 .470	.234 .031 3 .216 .257 .275	.390 .103 10 .393 .501 .543	.125 .063 12 .126 .185 .224	.267 132 139 .264 .369 .550	50
45	.182 .035 6 .173 .210 .243		.219 .086 7 .162 .333 .359	.243 .145 101 .242 393 .489	.121 .107 59 .106 .210 .360	.217 .151 124 .184 .363 .570	.489 1		.207 146 298 .132 358 518	45
40			.207 .115 21 .170 .313 .492	.147 .102 40 .113 .241 .381	.122 .096 58 .096 .229 .380	.148 .091 327 .132 .256 .332	.113 1	.210 .158 24 .259 .375 .425	.150 .101 471 .132 .261 .403	40
35	.192 1		.187 .100 23 .172 .267 .393	126 .059 17 .100 .192 .239	.091 .046 149 .080 .126 .218	.161 .136 83 .126 .247 .546		.001 1	.123 .096 274 .086 .181 .450	35
30			.095 .044 16 .069 .151 .177	.054 .027 9 .038 .090 .102	.079 .042 173 .067 .104 .227			.031 1	.079 .042 199 .066 .106 .220	30
25	.025 .024 10 .023 .031 .080		.050 .012 4 .052 .059 .064	024 008 3 028 029 030	.063 .029 108 .060 .090 .126				.059 .030 126 .056 .089 .125	25
20		.025 .008 9 .025 .034 .036	.041 .012 6 .046 .048 .052		.059 .021 26 .059 .082 .092				.049 .023 41 .047 .072 .091	20
15			.044 .016 4 .039 .058 .068		.036 .015 33 .033 .047 .075 .				.037 .015 37 .033 .047 .074	15
10			.027 .005 7 .026 .028 .037		.029 .008 44 .030 .036 .047				.029 .007 51 .028 .036 .046	10
5		.015 .009 5 .014 .024 .026	.028 .004 2 .028 .030 .031		.028 .008 64 .027 .035 .042				.027 .009 71 .027 .034 .042	5
0				.036 .011 <b>8</b> .036 .048 .051	,028 .008 52 .028 .035 .044				.029 .009 60 .029 .037 .048	0
5				.038 .010 9 .037 .047 .056	.027 .006 35 .027 .031 .044				.029 .008 44 .027 .036 .051	5
10				.027 .006 23 .027 .031 .039	.026 .006 16 .028 .031 .033				.026 .006 41 .027 .031 .038	10
15				.031 015 22 .028 048 057	.026 .012 17 .022 .040 .050				.029 .014 39 .024 .046 .056	15
20				.044 .022 11 .056 .066 .070					.044 .022 11 .056 .066 .070	20
25				.094 002 7 .094 095 098					.094 .002 7 .094 .095 .096	25
30				.096 006 5 .095 103 104	-				.096 .006 5 .095 .103 .104	30
<b>35</b> .			.100 .044 10 .074 .150 .173	.148 .070 48 .128 .231 .274					.140 .068 58 .115 .227 .271	35
40					•					40
455										455
	15E	60E 109	5E 15	OE 10	65W 12	:OW 7	'5W 3	OW 15	E	

## TABLE XII. - Continued. GASP AMBIENT OZONE DATA BY LATITUDE FOR DECEMBER (g) Flight level 410

CODE: MEAN ST. DEV. N 50% 84% 98% DECEMBER FL 410

-									····						·						· · · · · · · · · · · · · · · · · · ·			ME	AN	
٨L												<u> </u>			İ									<u> </u>		
									. 453 . 492	.103 .533	. 540	. 255	.175 .485	15 492	. 467 . 467	.019	. 485							. 331	.178 .492	. 537
									. 447 . 487	. 193 . 610	43 . 834	. 287 . 286	.158 .423	16 637	. 499 . 522	. 172 . 646	. <b>43</b> . 927	. 478 . 509	. 076 . 545	. 570				.445 .477	. 189 . 602	107 .840
									. 364 . 372	. 227 . 573	83 855	. 202 . 177	103	30 384	428 407	. 179 . 607	58 : 755	.332 .273	. 177 . 467	. 713			]	.356 .330	. 207 . 577	180 .841
						. 236 . 156	189	. 732	.369 .314	225 633	40 . 846	.131	.098 .248	. 361	381 325	. 248 . 544	93 . 944	. 155 . 145	. 025 . 169	. 201				303 229	. 235 . 579	201 .859
	.172 .049 .179 .218	. 241				.163	. 134 . 264	. 55 . 541				. 158 . 180	. 084 . 225	. 309	. 268 . 226	209	95 858	. 150		1	. 280 . 241	.114 .327	6 499	.216 .123	. 175	198 .744
	.124 .050 .119 .167	. 60 . 252				.124	.095 174	. 19 . 369	.079 .079	.003	. 082	129	.084	. 376	. 271 . 236	. 185 . 389	. <b>20</b> . 747							.145	. 107 . 1 <b>8</b> 9	151 .417
Г	.050 .039 .041 .084	. 143				.049 .049	.004 .052	.054				.164 .154	.088	. 481										.125	. 092	117 .432
ſ	.075 .012 .075 .086	16 095	.060	007 069	. 073	. 061		1	0.000	0.000	0.000	.098	.057 .151	. 266										083 073	.054	101 . 265
Γ			051 .	013 062	. 069	.027	.013	. 050	0.000	: 001	. 002	.068	.049	. 187										.049 .038	.041	. 169
ľ						.015	011	28 039	.004	005	.015	.046	.023	. 100										.030	. 025 . 054	. 098
						.014 .012	.010	. 034				.028	.006	. 044										.021	. 011 . 030	57 . 042
Γ			.010	008 016	. 020	.014 .012	.008	. 026				.025 .024	.007	. 039										.020	.010 .030	33 039
Γ									.025	.009	. 037	034	.010	. 045										.027 .026	.010	22 043
l									.033	:014 :047	19 .056	.027	.005	, 036										.031	.012	. 056
									.031	.014	.051	035	.002	. 037	· ·				· · · · · · · · · · · · · · · · · · ·					.031	.013	29 051
Ī									.038	.017	. 21 . 065	.045	.026	. 097										.042	.023	52 096
Ι			······································						.051	. 022	23			·	1									.051	.022	.110
Γ						· • • • • • • • • • • • • • • • • • • •			.076	.055	. 169	1												.076 .042	.055	. 169
ľ	<del></del>								.112	.056	. 213	1												112	.056 .159	. 213
T									. 184	.082	56 322	<del>                                     </del>			<b>T</b>									. 184 . 165	.082 .278	. 322
r									<u> </u>			1	_	····												
۲															1					<del></del>						

TABLE XII. - Concluded. GASP AMBIENT OZONE DATA BY LATITUDE FOR DECEMBER

(h) Flight level 430

	CODE:	MEAN ST. DEV.	N 98%				DECE FL 4	MBER 130
	•		<del></del>				·	MEAN
N								
ı								
Ī								
				.478 .018 4 .487 .490 .492			.575 .147 4 .540 .716 .777	.527 .116 8 .468 .623 .766
				602 157 20 542 779 968		.651 .079 3 .643 .716 .747	.477 .174 16 .439 .669 .732	.555 .173 39 .541 .738 .896
			.372 .106 11 .411 .474 .514	.454 .055 17 .468 .501 .520		.836 .037 7 .852 .865 .884	.204 .190 22 .136 .475 .554	.389 .238 57 .422 .527 .863
l			.277 .156 38 .231 .420 .6 <b>52</b>			.106 .060 41 .101 .154 .249	.360 .228 2 .360 .514 .578	.192 .149 81 .148 .307 .605
ĺ			.073 .077 9 .031 .134 .241		.164 .041 21 .150 .211 .256	.093 .042 21 .110 .129 .136		.119 .063 51 .126 .159 .256
l			.017 005 9 .018 .021 .026		.103 .048 21 .106 .157 .187			.077 .057 30 .070 .144 .185
	.069 .010 21 .070 .080 .086	.073 .010 8 .075 .080 .088	.034 .024 14 .018 .066 .071		.033 .004 10 .032 .037 .040			.054 .023 53 .061 .075 .089
		.053 .011 26 .052 .064 .066	.044 .024 14 .047 .067 .077		.059 .006 3 .057 .064 .067			.050 .017 43 .054 .065 .074
			.022 .008 13 .021 .031 .036		.024 .003 5 .024 .027 .028			.022 .007 18 .020 .029 .036
			.011 .012 20 .011 .016 .041					.011 .012 20 .011 .016 .041
ļ		.018 .015 8 .010 .030 .049	.008 .005 10 .009 .012 .014		.020 .002 6 .020 .021 .023			,014 .011 24 .012 .020 .043
				025 004 5 025 029 030	.019 1			.024 .004 6 .023 .028 .030
				025 001 4 026 026 026				.025 .001 4 .025 .026 .026
				023 003 6 024 025 025				.023 .003 6 .024 .025 .025
l				.037 .022 14 .027 .065 .076	.044 .022 52 .037 .065 .086			.042 .022 66 .035 .065 .085
l								
l				111 008 4 109 118 124				.111 .008 .4 .109 .118 .124
l				.111 .006 2 .111 .114 .116				.111 .006 2 .111 .114 .116
l				.187 .099 49 .148 .323 .433				187 099 49 148 323 433
l								
ĺ								15E

LONGITUDE

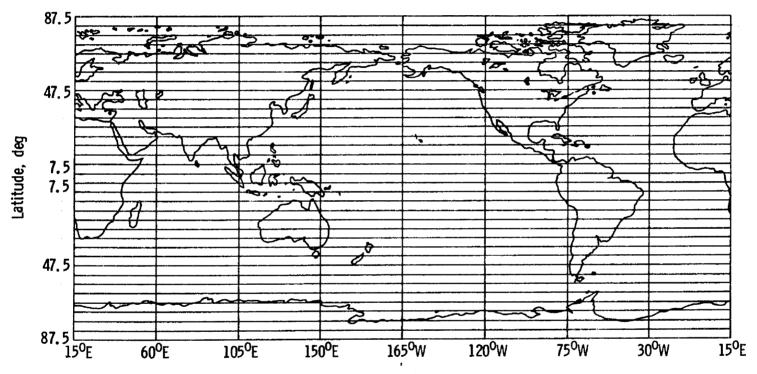
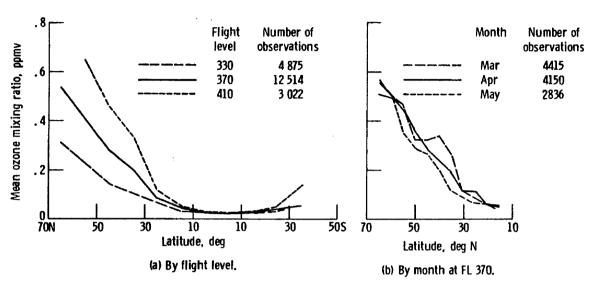


Figure 1. - Geographical grid for ozone tabulations in tables I to XII.



1

Figure 2. - Variation of mean ambient ozone with latitude in the spring (M-A-M).

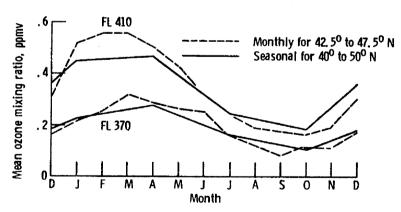


Figure 3. - Seasonal variation of mean ambient ozone near  $45^{\rm O}$  N for flight levels 370 and 410.

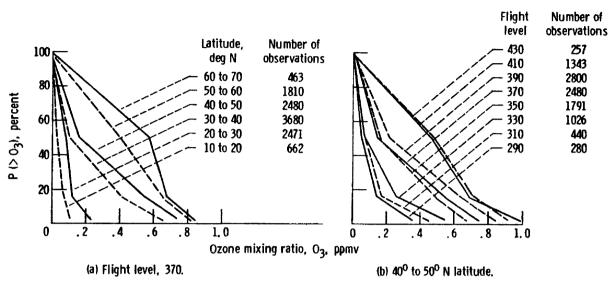


Figure 4. - Ambient ozone cumulative frequency distributions for spring (M-A-M).

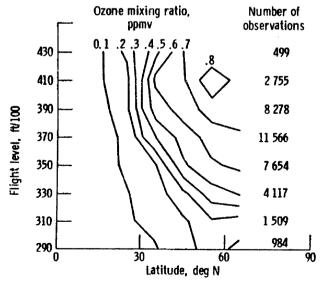


Figure 5. - Northern Hemisphere latitude - flight level cross sections of zonal 84th percentile ozone mixing ratios in the spring.

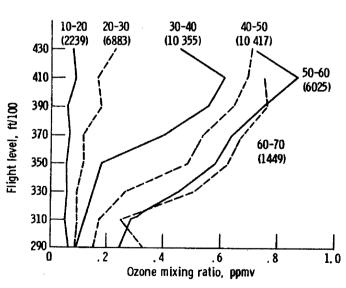


Figure 6. - Vertical profiles of zonal 84th percentile ozone mixing ratios for selected latitudes (deg N). Number of observations for each latitude is given in parentheses.

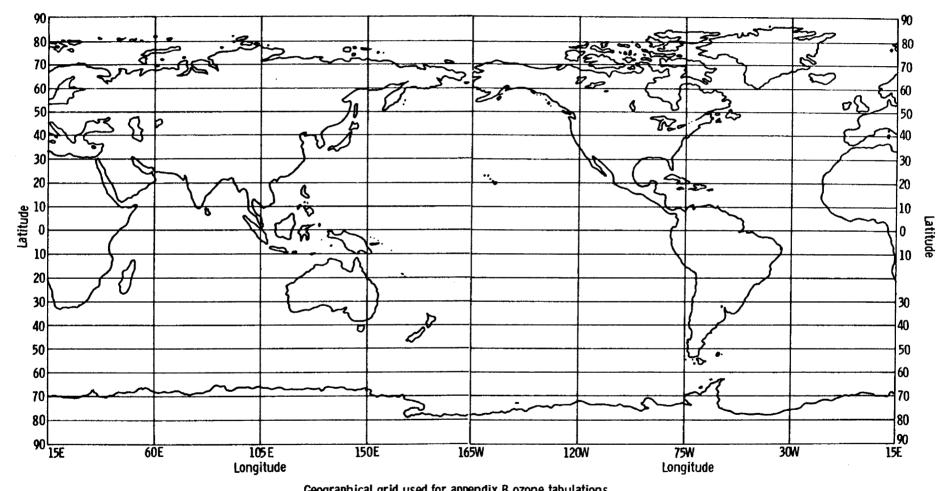
#### 10

# APPENDIX A OZONE UNIT CONVERSION FACTORS

[Multiply "From" units by this factor to get "To" units. All temperatures are in K and all pressures in hectopascals (hPa).]

From	То													
	μg/m <sup>3</sup>	10 <sup>−3</sup> cm SPT/km	mol/cm <sup>3</sup>	hP a	νg/g	ppm v	ppm v SLE							
µg/m³	1	0.0467	1.26x10 <sup>10</sup>	1.73x10 <sup>-3</sup> T/P	2.87x10 <sup>-3</sup> T/P	1.73×10 <sup>-3</sup> T/P	5.09x10-4							
10-3 cm STP/km	21.4	1	2.69x10 <sup>11</sup>	0.037 QT	0.614 T/P	0.0370 T/P	0.0109							
Molecules	7.97x10 <sup>-11</sup>	3.72x10 <sup>-12</sup>	1	1.38x10 <sup>-13</sup>	2.29x10 <sup>-13</sup> T/P	1.38×10 <sup>-13</sup> T/P	4.06×10 <sup>-14</sup>							
µg/g (ppmw)	348 P/T	16.3 P/T	4.37x10 <sup>12</sup> P/T	0.603 P	1	0.603	0.177 P/T							
Partial pressure, hPa (mbar)	578/T	27.0/T	7.25×10 <sup>12</sup> P/T	1	1.66/P	1/P	0.294/T							
Parts per million by volume (ppmv)	578 P/T	27.0 P/T	7.25x10 <sup>12</sup> P/T	Р	1.66	1	0.294 P/T							
Parts per million by volume, sea level equivalent (ppmv SLE)	1.96x10 <sup>3</sup>	91.8	2.46×10 <sup>13</sup>	3.40T	5.64 T/P	340 T/P	1							

APPENDIX B TABULATIONS OF GASP AMBIENT OZONE DATA BY SEASON AND LATITUDE FOR 2000-FOOT ALTITUDE INTERVALS

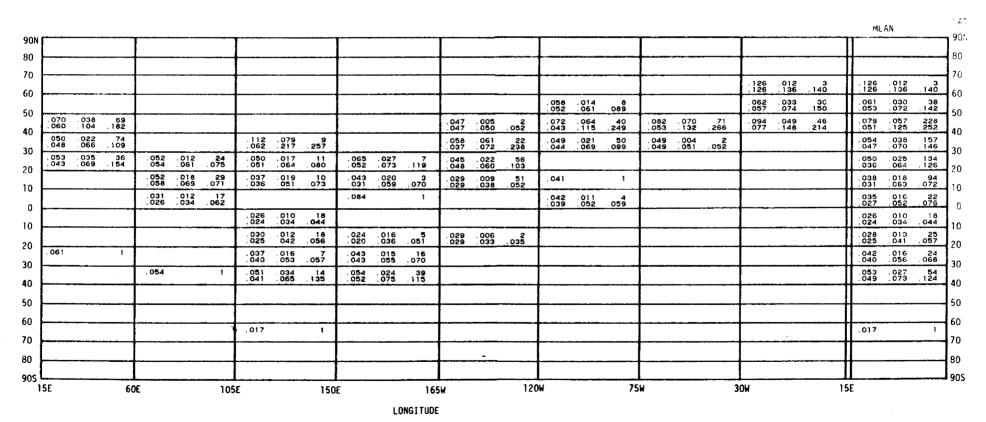


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Geographical grid used for appendix B ozone tabulations.

CODE: MEAN ST. DEV. N
50% 84% 98%

WINTER FL 290



WINTER FL 310

MEAN ST. DEV. CODE: 50% 84% 98%

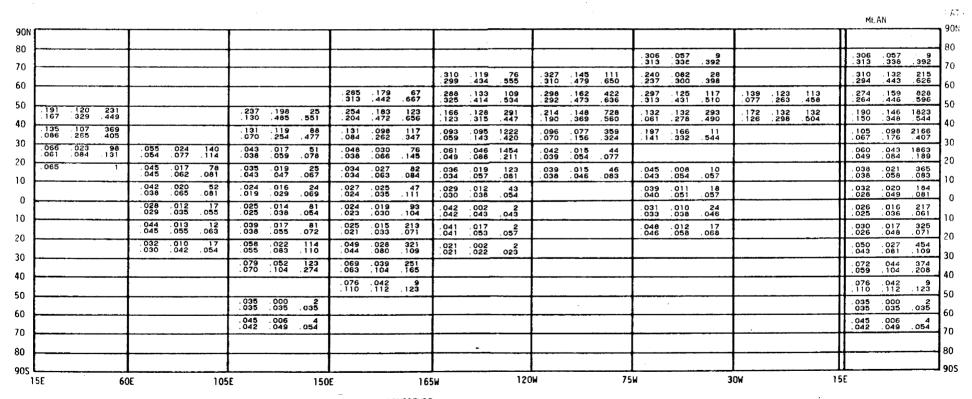
	<del></del>					·			r <del></del>			Τ			·			r ·			Γ			ME <i>A</i>		
									<b></b>			<u> </u>			ļ —									₩		
							· - ·						····					<b> </b>			. 176 . 176	.011	. 187	176 176	.011	. 18
	·								. 061 . 072	. 036	. 11 . 130	.187 .218	.069	. 242				.111	.085 .215	33 . 308	.097	.069	115 .251	.099 .065	.073 .189	16 . 27
.071 .063	. 046 . 107	. 148				. 051 . 050	. 006 . 057	. 061	. 108 . 096	.073 .155	. 281	.069 .044	.069	. 272	. 098 . 070	.069 .164	151 . 267	.098	.073 .192	77 262	. 069 . 047	. 060 . 104	. 286	.087 .059	.068 .152	. 27
.067 .062	.034	. 140				. 075 . 059	. 058 . 109	. 207	. 086 . 085	.032	. 16 . 155	. 059 . 041	.058	202 . 269	. 070 . 048	067 078	90 324	.050	.051 .047	. 194 . 194	.016 .016	.004	. 022	. 064 . 046	. 056 . 095	. 27 . 27
. 070 . 066		. 157	. 062 . 054	.031 .073	. 173	.031 .029	. 020 . 047	. 66 . 084	. 051 . 048	.013 067	. 26 . 078	. 053 . 045	.043 .071	186 138	. 047		1				. 034 . 034	. 003 . 037	. 038	. 054 . 028	.037 .073	. 15
			. 039 . 040	.015 .050	. 070	. 026 . 025	.010 .037	. 042	. 040 . 048	.017 .056	. 066	. 033 . 027	. 020	. 079	.049 .048	007 054	. 058	.040 .040	.005 .044	. 048	L			.035 .034	017 053	. 07
			. 038 . 038	.017	.064	. 057		,	. 024 . 020	.015 .032	156 .072	019	. 004 . 021	. 022										.025 .021	.016	. 07
			.014 .014	.004	019	.032	. 004 . 037	. 040	. 021 . 017	.011	106 .049													:021 :017	.011	. 04
			.014 .014	.003	.018	.043 .041	. 020 . 049	13 090	. 021 . 022	.013 .035	54 . 049							046 047	.005 .051	, 053				.026 .024	.017	. 05
. 046 . 041	. 022	. 100	. 075 . 073	.017 .092	. 103	.068 .071	. 031	18 .108	. 033 . 029	.018	10 . 076							.013		1				. 055 . 046	.028	. 10
			. 104		1	. 082 . 076	. 058 . 096	. 276	. 048 . 042	. 024 . 074	. 105												<del></del>	.067 .059	.048	. 27
									. 041 . 039	.014 .054	. 065													039	.014 .054	. 06
									. 037 . 038	. 008 . 043	. 046													.037 .038	.008	. 04
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E		60	£		105	Ε		150	Ε		169	5W		120	W		75	W		3	OW		1	5E		

WINTER FL 330

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-	<del>.</del> .		7						.,	<u> </u>			.312		1	.187 .201	. 066 . 253	23 297	.197 .204	107	70 . 425	: 179 : 178	050 241	. 26 . 247	1	192 194	.091 .288	120
			T							. 308	. 089	65 . 484	. 205 . 218	. 108	35 . 364	. 245 . 252	. 089 . 296	. 49 . 498	. 177 . 179	.114	163 . 383	. 126 . 106	086 .221	195 .321		137	.116 .301	. 49 . 43
	099 01 072 16	72 5 8 . 28	8				. 285 . 290	. 089 . 390	18 .421	196 163	. 120	112 .425	. 056 . 045	035 083	. 135	.148 .111	. 102 . 262	140 . 390	. 130 . 062	. 121 . 262	266 429	.128 .065	119 286	125 . 404		091		. 41
	084 .05 071 .13	0 9 3 .21	5 9				. 125 . 085	.094 227	95 362	.089 .067	. 055 . 140	73 . 248	.065 .048	.054 .069	396 214	. 081 . 057	.074	150 .317	. 287 . 291	.027	. 316				$-\!$			.31
	089 .04 071 .1	17 2 11 .21	6 3	.056 .052	. 029 . 076	85 136	. 038 . 031	.021 .058	38 098	.061 .058	. 038 . 091	. 163	045 037	031	365 127	054 049	.020	, 106							Ш.			. 13
			$oxed{oxed}$	.047 .040	.018 .067	52 .081	. 033 . 025	.021 .046	. 45 . 095	078 079	.012	19 .097	060 060	.025 .076	. 083	. 045 . 045	.012	. 067							$\perp \!\!\! \perp$		.022 .072	. 09
				043 036	. 020 . 070	.086	.022 .021	.008	. 039	.116		1	.032		1	.013		1	.020 .018	007	. 031							. 08
			$\perp$	.025 .027	011	. 047	. 028 . 025	013 039	. 060	017 013	.008	. 035 . 035							.019 .019	003	. 023				Ш.	021		. 05
			┙	040 041	.011	. 061	. 040 . 038	.016 .052	. 074	024	013	. 056	034 033	016 056	.057				.044		1	L				029 028	.015 .045	. 06
	061 00 052 00	21 3 33 .10	16	.059 .054	.026 .074	17 122	. 050 . 048	.018 .065	. 090	049 041	. 031	251 .115													_11_	051 039		. 11
		_		071	.021	. 097	. 081 . 077	.041 .109	34 . 168	066 063	.036	. 154																. 15
										061 036	.049 .084	. 150														061 036		. 15
										030	.004	. 035	<u> </u>													030		. 03
										.045 .032	.033	. 109													_  _	045 032	.033 .080	. 10
														-											Ш_			
			l										<u> </u>			<u> </u>						L						
5E			60E			105	Ε		150	Ε		165	SW		120	W		75	W		3	OW			15E			
											LO	NGITUDE																

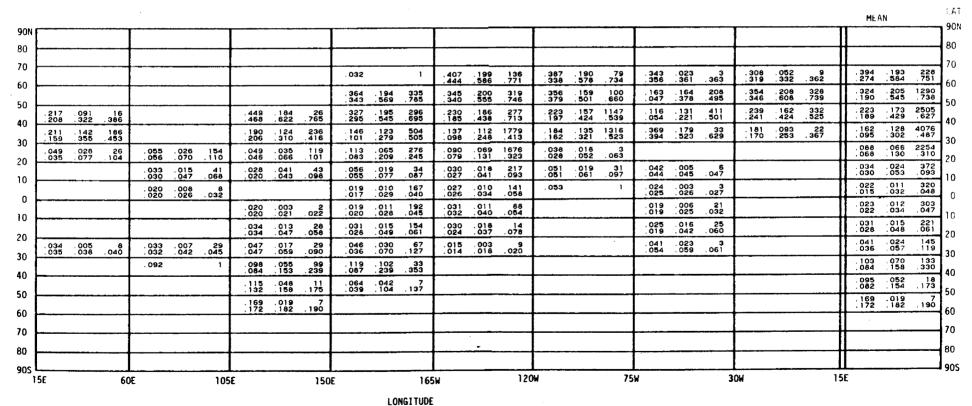
CODE: MEAN ST.

MEAN ST. DEV. N 50% 84% 98% WINTER FL 350



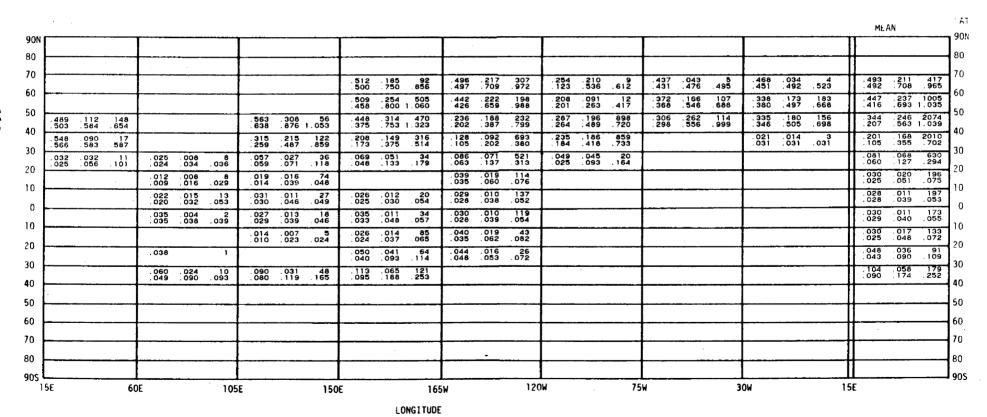
10

CODE: MEAN ST. DEV. N 50% 84% 98% WINTER FL 370



CODE: MEAN ST.

MEAN ST. DEV. N 50% 84% 98% WINTER FL 390



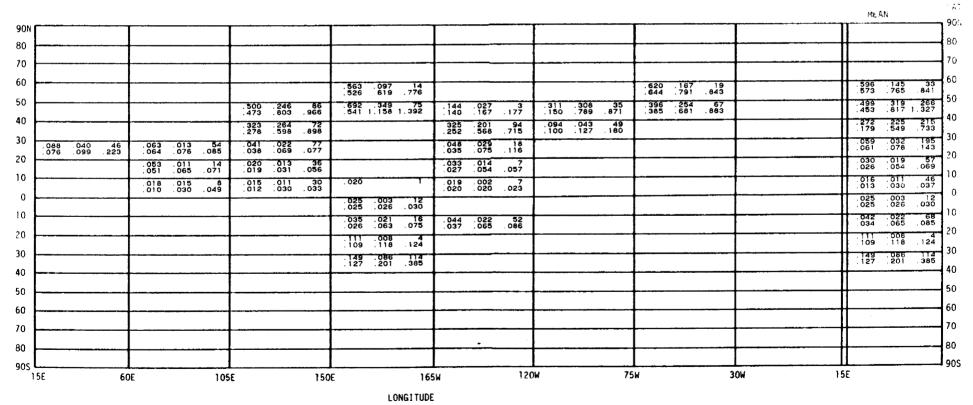
WINTER FL 410

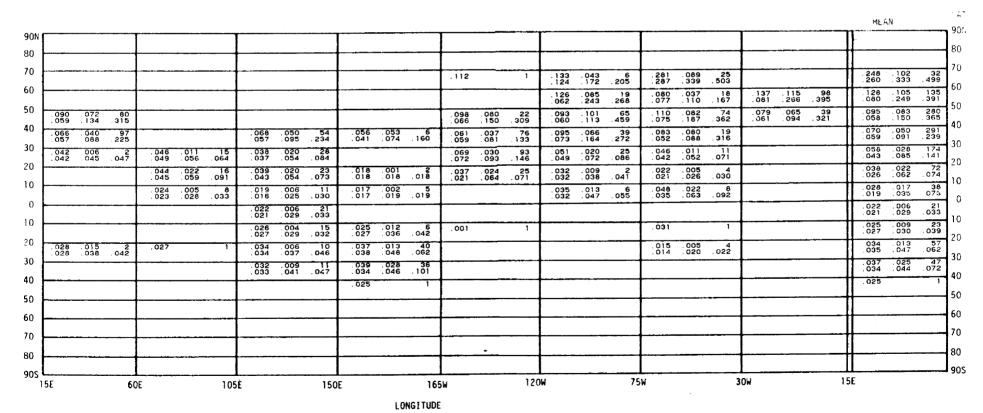
			. 701		1											-							,	. 701		
		$\dashv$	<del></del>																			·		<del> </del>		
		$\dashv$						<u></u>	.217		1	. 760 . 693	.318	11 1.288	.700 .752	. 116	. 806							. 709 . 708	. 268 . 858 1	. 27
									. 673 . 626	.315	352 1.331	.442 .426	256 704	. 979 . 970	.599 .575	198 786	234	635 628	. 165 . 784	. 957	.417 .469	. 196 567	. 762	I I	. 275 . 876 1	
.143 .1	058 188 .2	234				437 447	. 235 . 686	149	. 570 . 558	. 292 . 852	345 1.253	343 316	. 231 . 542	294 940	.447 .414	. 274 . 762	477 1.099	.368 .181	390 783	79 1.475	.512 .528	.095 .599	, 607	. 450 . 426	731 1	
230 158	177 2 412 .6	215				289	. 163 . 483	. 638	. 380 . 451	. 185 . 534	93 . 747	50e 568	. 197 . 502	416 .715	. 293 . 230	222 495	81 . 862				. 286 . 278	. 074	. 421	.222	. 501	104 .74
.070 .074	032 097 . 1	65 146	.056	.015 .070	. 080	. 036	.015	30 . 075	0.000	0.000	0.000	. 097 . 077	.079 .155	224 322	. 093 . 093	.005 .099	. 101								.067	37 26
			. 058 . 057	.013	. 071	023 017	.018 .042	. 72 . 068	003	.004	.014	. 046 . 037	030	112										II		. 10
050		1	.023	.017	. 046	. 023	012	. 044	024	.009	. 036	026 026	010	. 045										025	.011	04
									. 030	.013 .045	. 055	029 029	006	. 037										.030 .027	.012 .043	. 05
									036	.016	55 . 064	.045 .037	.026 .087	. 097										i B	.021 .056	. 09
									.084 .054	.057	. 205	. 074		1										II	.057 .149	. 20
									. 167 . 164	.076 .246	107 .316													. 164	. 076 . 246	. 31

112

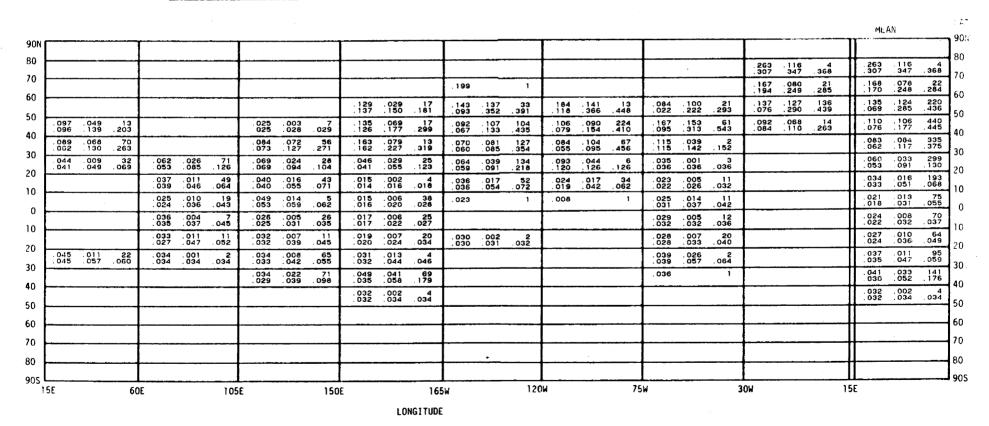
CODE: MEAN ST. DEV. N
50°. 84". 98".

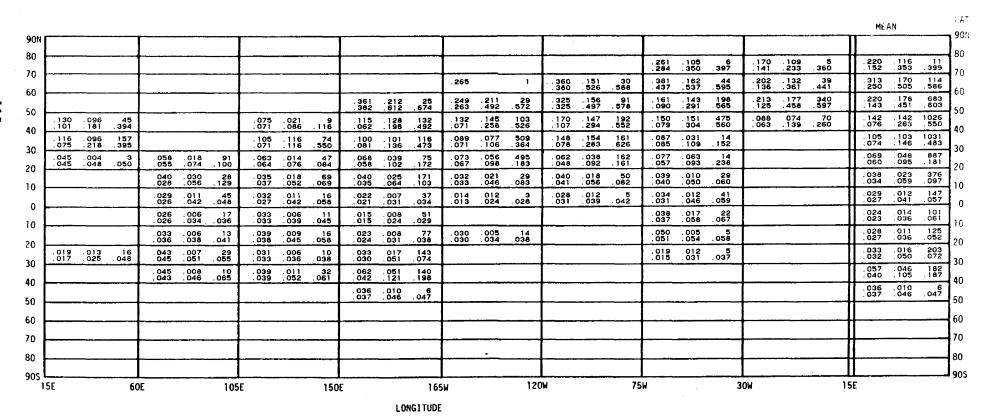
WINTER FL 430



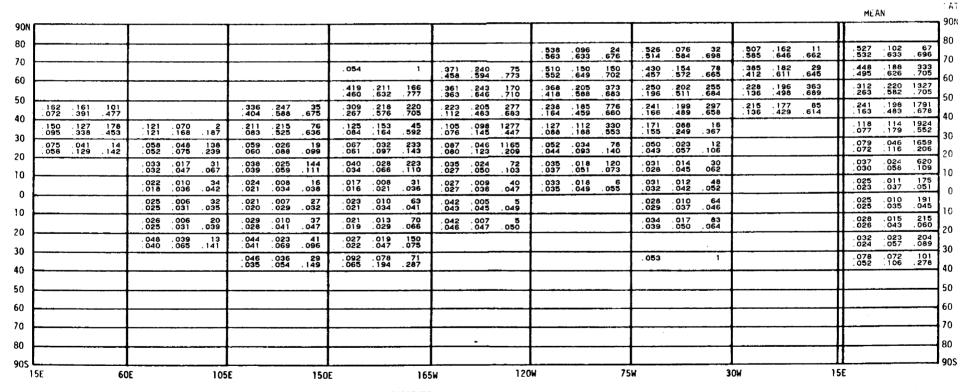


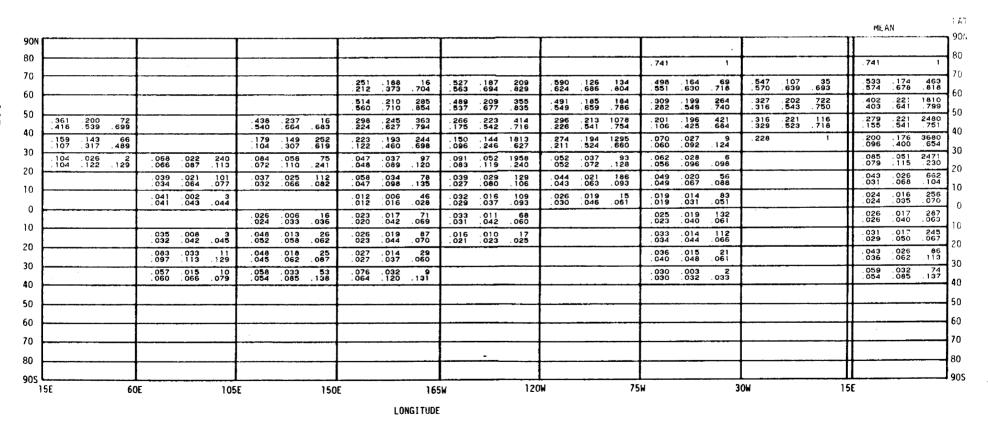
CODE: MEAN S1. DEV. N
50°. 84°. 98°.



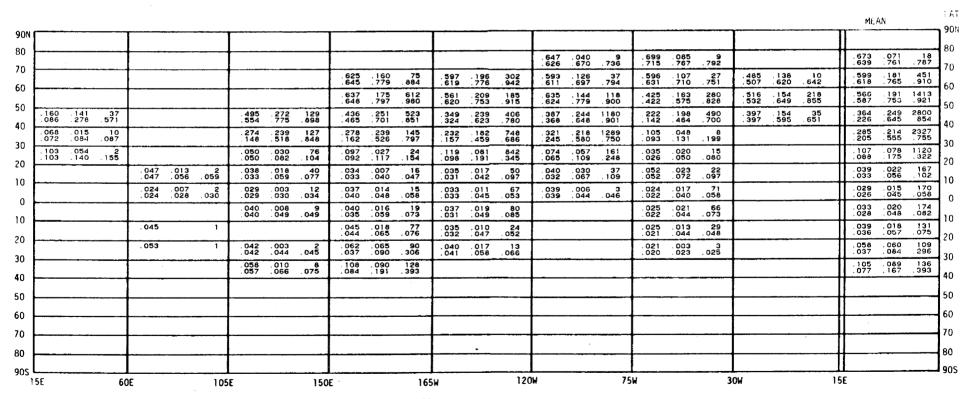


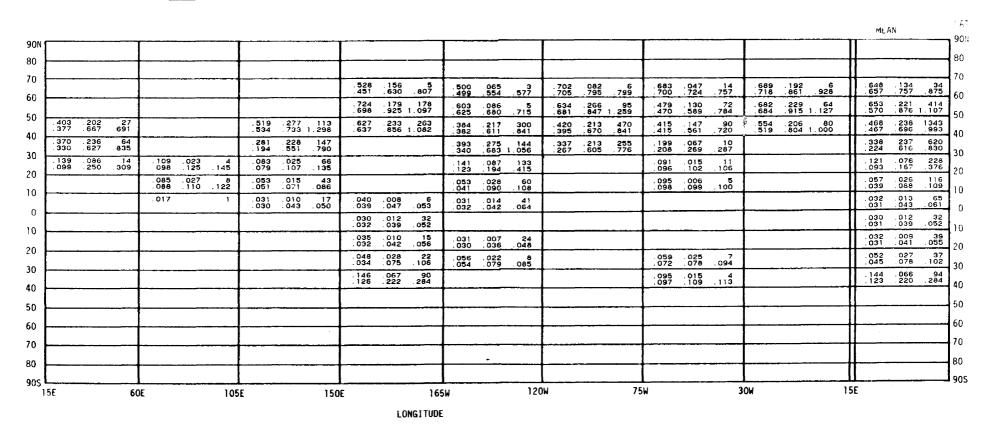
SPRING FL 350

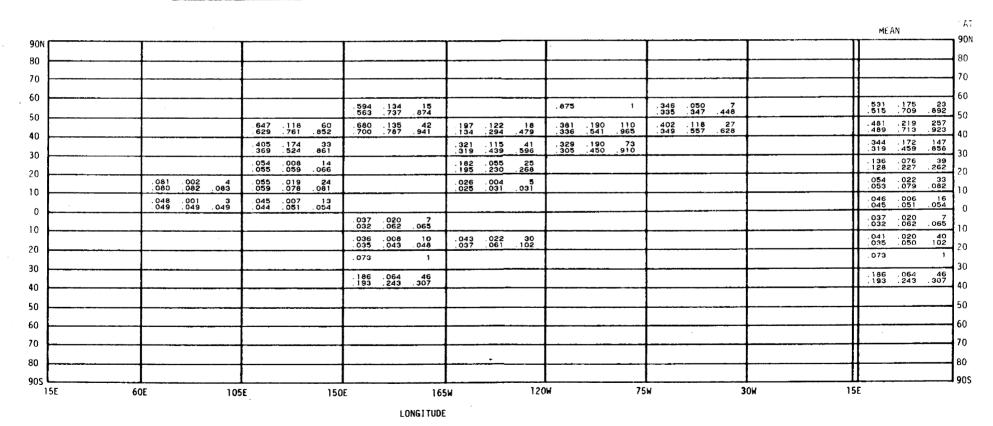




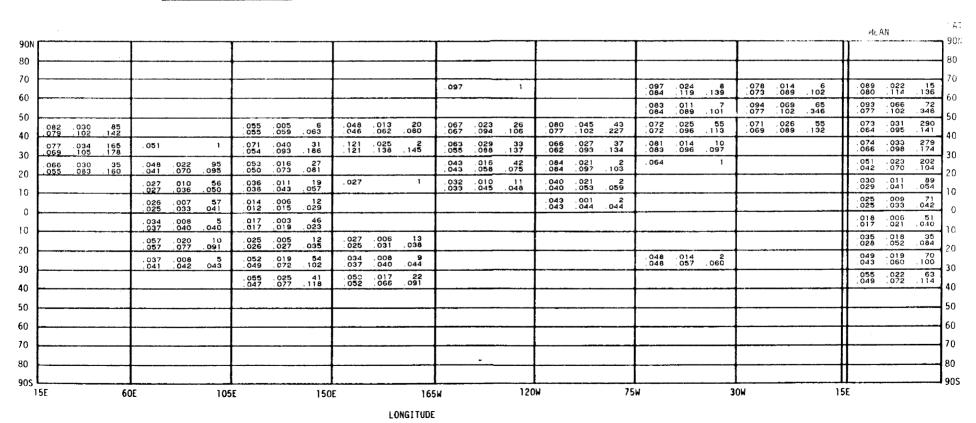
SPRING FL 390

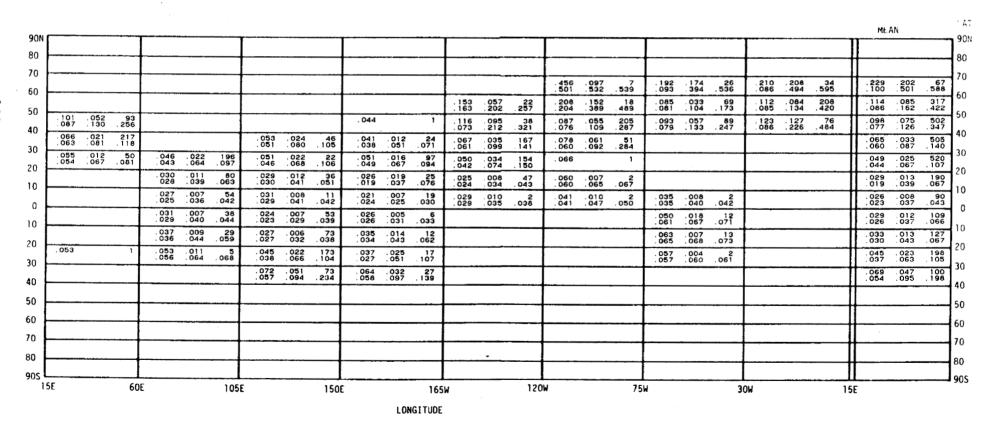






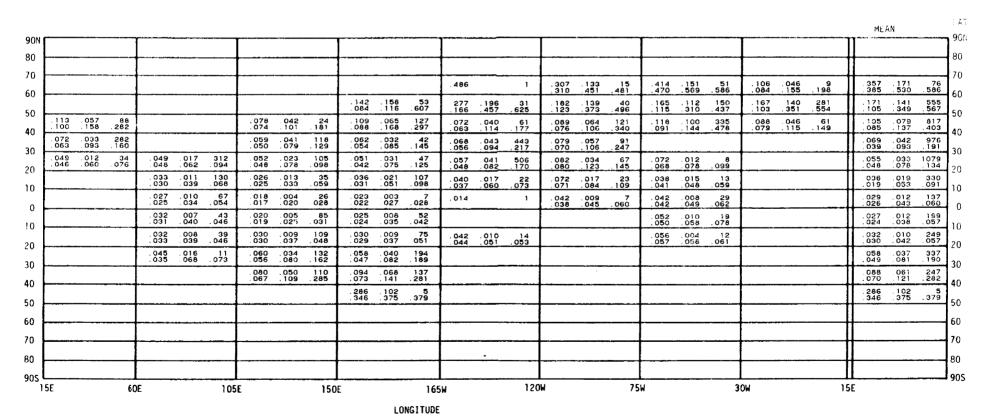
CODE: MEAN ST. DEV. N 50°. 84°. 98°.

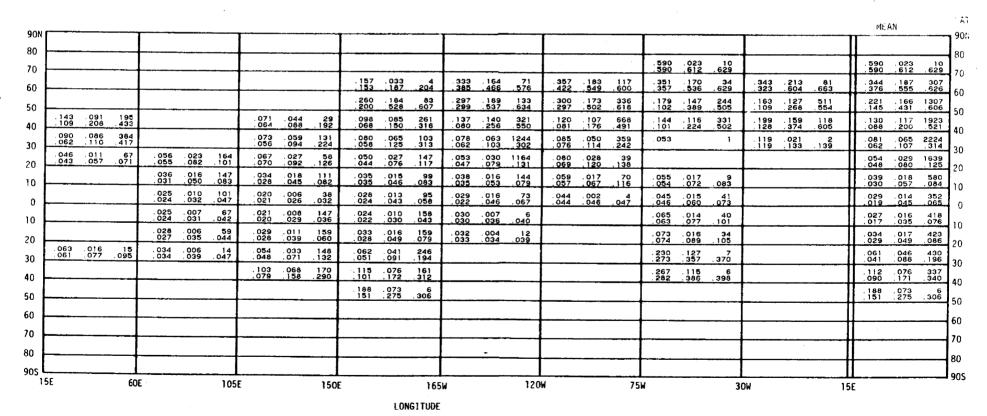


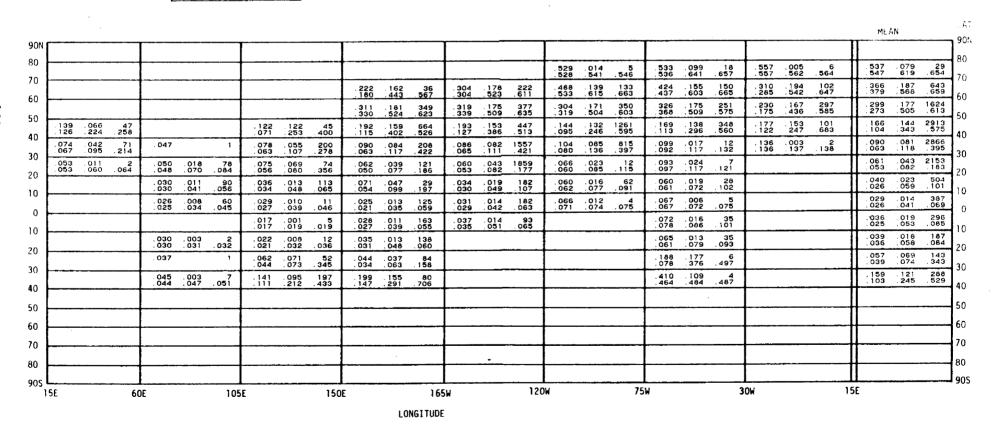


CODE:

MEAN ST. DEV. N 50°° 84% 98%

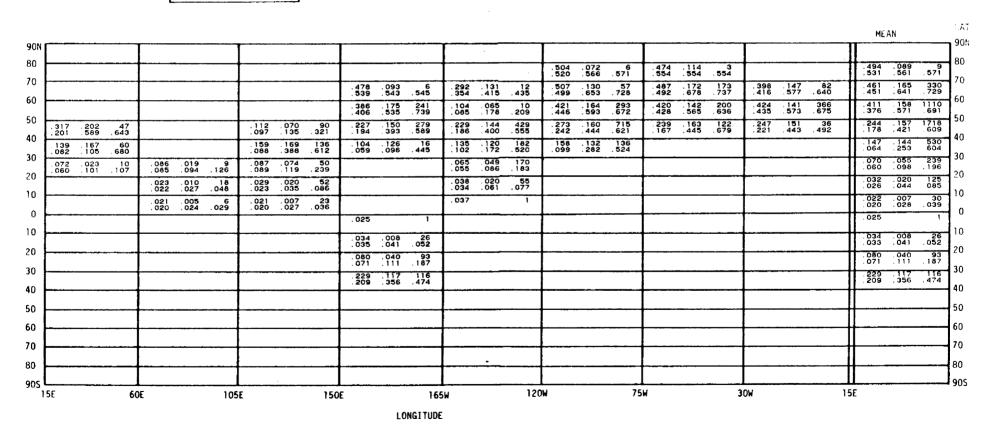


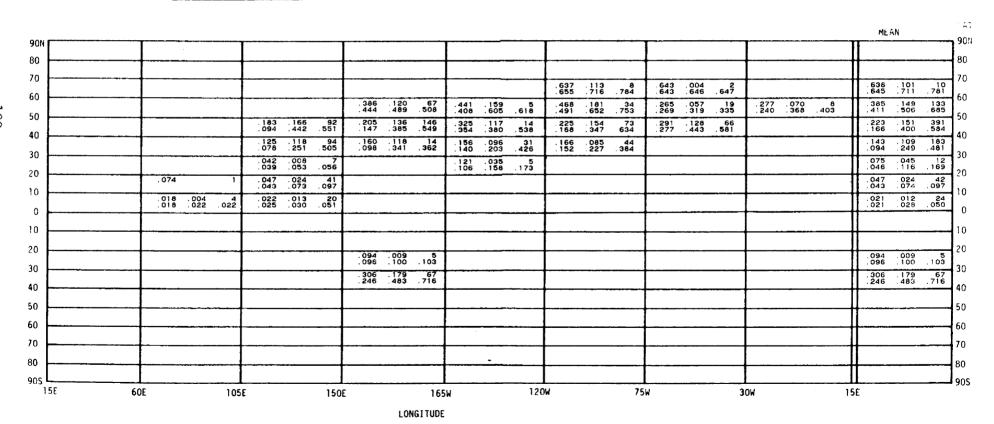




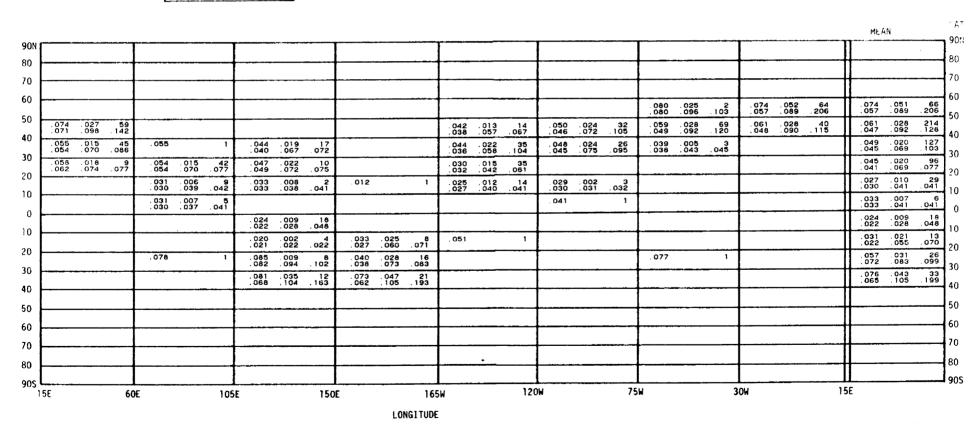
SUMMER FL 390

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_														· .		. 558 . 566	.107 .661	. 677	.503 .552	.142 .646	. 722				.519 .531	135 657	. 70
	···									429 452	. 142 . 541	. 717	.396 .431	.173 .555	. 659	.521 .542	.117 .639	348 686	. 534 . 565	.114	323 682	.415 .431	. 152 . 577	69 606	+	. 154 . 619	122 .68
			·							360 370	. 180 . 554	402 686	. 369 . 380	. 177 . 559	309 .648	. 463 . 503	. 157 . 615	. 669	.378 .392	. 169 . 571	196 .658	.317 .321	. 145 . 484	332 604	380 389	. 571	164 66
	.150 .0 .127 .2	098 271	. 346				. 261 . 120	200 497	40 613	. 194 . 119	. 160 . 392	593 . 574	. 239	167 456	398 595	.168 .115	.135 .313	626 . 548	. 144 . 108	.099 .222	206 414	. 220 . 188	.118 .356	. 494 . 494	. 192 . 101	. 151 . 367	197
	.065 .0 .063 .0	018 085	. 106				.095 .073	.086 .116	133 . 409	.070	.068	315 304	.104 .074	.096 157	. 453	139	. 133 . 211	. 651	.108 .106	.024 .133	. 144				.115 .066	.116 .160	165 . 56
	.071 .0 .068 .0	009 083	. 086	.057 .055	.012	. 088	.052 .051	021 075	109 . 094	. 041 . 034	.025 .051	. 102	.085 .061	.084 .121	. 407	.095 .118	.040 .136	41 146	. 078		1				.074 .046	.068	. 35
				. 027 . 020	.021 .052	. 067	034 032	.019	. 088				. 038 . 035	019 054	137 .082	.015 .016	.006	. 02 <b>3</b>							.035 .031	.019 .053	. 08
				.018 .022	.007	18 .025	.019	006	. 027	.031	.009	13 .044	.036	.018 .052	143 .073	.047 .048	.011	, 060	.076 .083	.009	. 087				. 035 . 035	019 052	.08
										. 028 . 026	.011	. 050	.034 .032	.016 .050	128 .062				. 078		1				. 033 . 030	.016 .049	. 06
	. 030		1	.030	.004	. 036	.016 .017	.002	.019	. 032 . 031	.015 .046	137					·								.031 .029	015 045	. 07
							. 021	002 023	. 025	. 053 . 048	.043 .083	. 157													.045 .023	040 071	. 15
	~~						. 137 . 137	. 070 . 168	37 . 356	. 182 . 159	118 284	157 . 523								-					.173 .135	.112 .277	19
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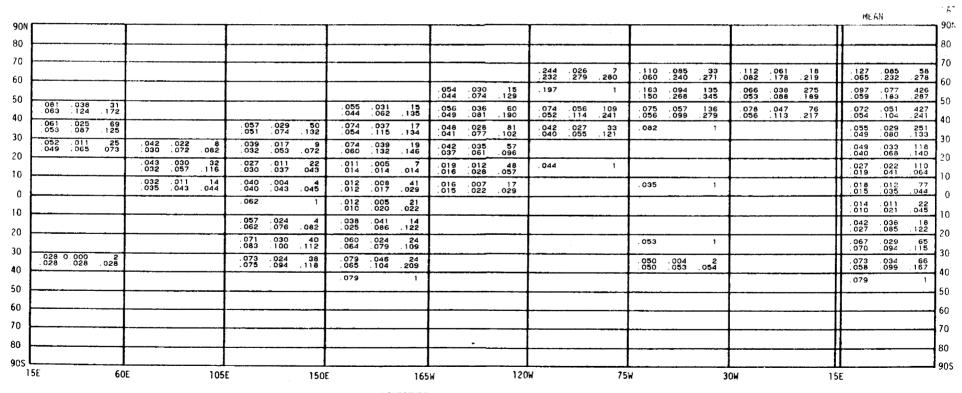




AUTUMN FL 290



AUTUMN FL 310



AUTUMN FL 330

				MÉAN
N				
			.270 .069 6 .306 .316 .321	.270 .069 6 .306 .316 .321
			.198 .136 36 .169 .106 97 .232 .342 .380 .155 .302 .341	.181 102 69 178 111 202 .213 .292 .323 117 .308 .353
		. 134 . 073 . 48 . 176 . 094 . 48 . 108 . 213 . 324 . 182 . 280 . 325	.123 084 81 .136 090 230 .088 .215 .302 .097 .257 .315	.098 .070 326 .120 .083 733 .067 .181 .276 .080 .224 .312
.080 .041 26 .070 .107 .194	.065 .027 16 .056 .093 .125	. 101 .053 89 074 .059 52 .096 .144 .211 .049 .096 .229	.054 102 .201 .061 .127 .328	.065 032 120 .081 060 892 .056 090 157 .054 120 285
.063 .026 118 .058 .083 .123	.058 .026 92 .053 .081 .126	.076 .038 .20 .049 .027 188 .081 .101 .156 .043 .070 .114	.072 .047 85 .092 .044 12 .064 .097 .200 .083 .088 .202	.060 .034 515 .053 .083 .167
.061 .014 14 .0 .064 .074 .085 .0	052 .014 50 .048 .021 50 055 .066 .078 .046 .066 .079	.033 .006 .14 .045 .029 .201 .033 .036 .042 .039 .069 .126	048 014 15 061 016 9 053 059 067 058 069 095	.047 .025 353 .043 .067 .103
.6	031 011 46 030 011 23 030 039 047 030 041 051		.065 .004 8 .041 .009 9 .065 .070 .071 .039 .052 .058	.035 .015 86 .026 .044 .070
:0	024 .005 40 .015 .011 25 025 .028 .036 .016 .027 .033	.035 1 .036 .007 8 .037 .042 .045	.036 .004 4 .038 .039 .039	.023 .010 78 .019 .033 .040
:8	027 003 19 029 014 55 027 030 031 029 041 057	025 020 70 046 018 16 023 035 068 044 059 087	. 024 1	029 :017 161 :027 :041 :076
	048 015 16 043 029 55 043 064 081 032 078 103	026 022 52 032 011 13 021 040 101 030 045 048	.051 .022 17 .054 .077 .082	.038 .025 153 .032 .066 .102
.:6	058 010 4 075 024 62 053 065 074 077 095 119	.073 .054 101 .064 .109 .246	.064 .025 18 .070 .092 .097	.073 .043 185 .071 .100 .226
.036 .005 4 .035 .040 .042	120 .065 14 .108 .154 .279	106 072 96 088 155 283	.052 .017 4 .056 .066 .069	104 .071 118 .084 .150 .305
		.061 .026 7 .071 .077 .082		.061 .026 .7 .071 .077 .082
		.063 .026 10 .056 .087 .115		.063 .028 10 .058 .087 .115
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15E <b>60E</b>	105E 150E	E 165W 120	W 75W 30W	15E
		LONGITUDE		

AUTUMN FL 350

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					070 046 14	. 255 . 051 36	,266 .011 5	261 048 55
				.223 .061 71	273 046 14 295 308 321	266 295 338	260 278 281	269 302 332
			217 093 107	.236 .282 .310	.221 .089 173 .234 .317 .354 .150 .092 445	221 314 358	. 248 . 345 . 383	.219 .090 338 .228 310 .371 .134 .091 1564
.072 .041 102		.103 .093 29	.217 093 107 .208 .327 .383	.219 089 71 .212 .321 .358 .106 083 197	.140 .253 .330	.091 .217 .343	.075 .169 .311	.092 .242 .343
.059 .103 .182		.071 .176 .339	.073 .152 .338	.078 202 319	.061 .190 .303	.093 .062 439 .071 .154 .263	.059 .024 39	.059 .042 1356
.063 .105 .138	.053 .020 95 .047 .074 .100	.048 .101 .203	.041 .013 51	.046 .076 .150	.038 .080 .300		055 .007 52	.046 .083 .191 .041 .026 .981
.050 084 096	.035 .011 65	.037 .055 .083	012 007 6	.032 .054 .125	.049 .010 25		.053 .061 .071	037 057 100 028 017 236
	033 042 068 025 005 23 027 029 033	.018 .009 31	.010 .020 .023 .016 .011 51 .015 .026 .039	.016 .031 .061 .020 .018 .25 .011 .048 .051	.047 .059 .068	022 .005 7		.019 012 137 .017 029 049
	.032 .004 7	.015 .023 .040 .030 .024 62 .025 .056 .082	022 012 84 019 038 046	.017 .002 3		.023 .024 .028 .034 .015 .19 .039 .050 .057		027 018 175 023 043 071
	032 035 038 045 024 12 029 083 085	.042 .027 66 .038 .071 .095	022 017 100 020 037 056	.052 1		.039 .030 .037 .053 .004 15 .051 .056 .060		.033 .024 194 .025 .054 .090
	079 006 4 078 084 086	.062 .037 70 .059 .101 .135	.089 .066 177 .082 .134 .279			100 1		.081 060 252 .064 120 248
.052 .006 12 .055 .056 .059		097 064 49 081 134 298	105 084 115 075 126 406					.099 077 176 .070 125 380
.055 .023 61 .049 .062 .129		.070 .016 10 .067 .071 .107	.082 1					.057 .022 .72 .050 .070 .129
.205 .083 50 .156 .308 .368			.072 .037 5 .053 .091 138					193 089 55 149 302 365
. 391 1			.091 .002 3 .090 .093 .094					166 130 4 092 248 373
5E 6	OE 109	SE 150	E 16!	5W 120	DW 7:	5W 3	OW 15	iE .
			LONGITUDE	<u> </u>				

AUTUMN FL 370

												.280	.015	. 292				<del></del>			[	and the same of th		. 250 . 287	015	. 292
												. 298	.035	50 .358	. 359		1							299 .307	. 036 . 334	51 . 359
									. 167 . 177	.022	. 185	. 254 . 266	.084 .334	250 .395	. 234 . 258	.099	. 386	. 288 . 293	.106 .394	70 . 453	. 254 . 254	.097 .364	38 .418	. 254 . 262	.093 .352	459 .420
									. 227 . 243	. 103 .339	. 290 . 390	220 223	.088 .312	246 . 382	. 198 . 195	.109 .307	212 ,449	.188 .160	.123	261 428	.126 .107	.089 .205	435 .389	. 184 . 125	109	1444
088 050	.093 .168	64 . 326				.092 .064	.075 .188	42 291	.112 .084	084 192	. 512 . 340	.110 .070	. 096 . 194	349 370	.103 .081	.069 .174	966 278	.117 .089	.089 .205	561 .362	.095 .083	.072 .133	177 .344	. 108 . 080	.081 .182	277
.119 .115	.041 .165	71 . 198				. 060 . 047	.051 .083	225 252	.066 .058	041 092	198 .177	.057 .051	.034 .082	1186 .155	.083 .065	. 065 . 145	417 272	.044 .032	.056	31 220	.146 .149	.011 .157	. 163	.066 .052	.047	2152
.081 .072	.030	. 123	071 065	023 100	63 .118	. 034 . 027	022	. 079	.047 .038	023 068	. 103	.042 .036	. 029 . 063	.892 .111	. 043		1	. 027 . 030	.011	37 .047	.049 .049	002	. 051	.044 .037	. 029 . 066	105
			039 038	013 044	. 47 . 077	.034	.007 .038	. 050				017 017	.010 .026	. 99 . 043	. 056 . 057	. 005 . 060	. 062	. 045 . 047	.027 .076	. 45 . 093				.030 .026	.020 .047	21 08
			020	021 038	13 056	.029 .037	016	.040	.021	800	. 037	017 017	.015	. 83 . 048				. 053 . 056	.022 .071	. 088				.025 .021	. 020 . 047	. 22 . 08
									.021	.009 .027	. 039	017 008	.017	65 . 052				.046 .056	018	. 27 . 068				.024 .010	018	162 .063
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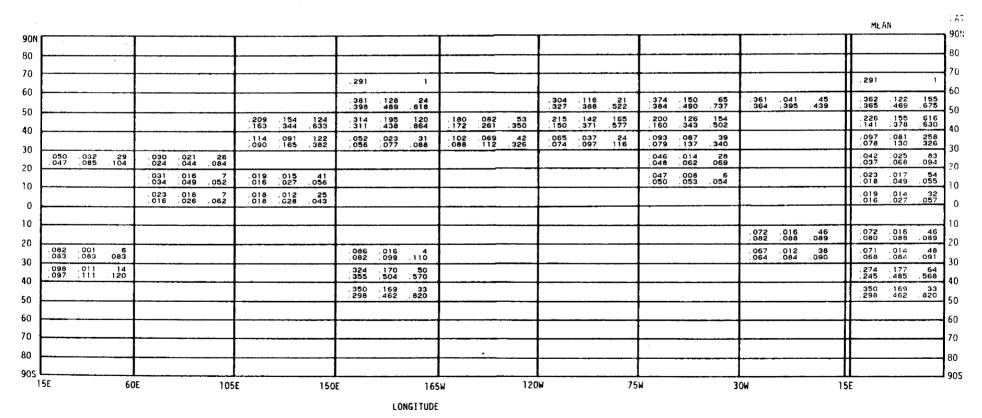
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			.016 .013 31 .015 .025 .047	.020 .012 144 .016 .032 .047		.060 .019 55 .059 .079 .093	.047 .005 47 .048 .051 .053	.032 .022 27 .027 .050 .08
			.025 .019 103 .023 .039 .093	.033 .009 6 .031 .039 .048	<u> </u>	.050 .014 54 .053 .064 .072	047 .001 2 .047 .048 .048	.034 .021 16 .030 .057 .08
			.069 056 46 .069 106 .237			.074 .025 7 .069 .092 .115		.069 .053 5 .069 .105 .22
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16. Abstract				
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